

GenCore version 5.1.8  
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OM protein - protein search, using sw model

Run on: May 12, 2006, 18:02:02 ; Search time 224 Seconds  
(without alignments)  
15.748 Million cell updates/sec

Title: US-10-714-564A-2

Perfect score: 33

Sequence: 1 WAPIP 5

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 2166443 seqs, 705528306 residues

Total number of hits satisfying chosen parameters: 90886

Minimum DB seq length: 0

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : UniProt\_05.80.\*

1: uniprot\_sprot.\*

2: uniprot\_trembl.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	28	84.8	35	Q7UVP3_RHOBA	Q7UVP3 rhodopirell
2	28	84.8	36	Q9GKJ9_PIG	Q9GKJ9 sus scrofa
3	28	84.8	38	Q8ZT47_PYRAE	Q8ZT47 pyrobaculum
4	28	84.8	41	Q9E2S5_HPBVO	Q9E2S5 hepatitis b
5	28	84.8	41	Q9E2S6_HPBVO	Q9E2S6 hepatitis b
6	28	84.8	41	Q9E2S7_HPBVO	Q9E2S7 hepatitis b
7	28	84.8	41	Q9E2S9_HPBVO	Q9E2S9 hepatitis b
8	28	84.8	41	Q9E2T2_HPBVO	Q9E2T2 hepatitis b
9	28	84.8	41	Q9IF64_HPBVO	Q9IF64 hepatitis b
10	28	84.8	41	Q9IF65_HPBVO	Q9IF65 hepatitis b
11	26	78.8	36	Q9UML4_HUMAN	Q9UML4 homo sapien
12	26	78.8	37	Q5NQTS_ZYMMO	Q5NQTS zymomonas m
13	26	78.8	38	Q5C7S0_SCHJA	Q5C7S0 schistosoma
14	26	78.8	40	Q7M1Z4_HORVU	Q7M1Z4 hordeum vul
15	26	78.8	50	Q7U148_RHOBA	Q7U148 rhodopirell
16	25	75.8	30	Q989K8_RHILO	Q989K8 rhizobium l
17	25	75.8	35	Q65DGO_BACLD	Q65DGO bacillus li
18	25	75.8	43	Q8VJNS_MYCTU	Q8VJNS mycobacteri
19	25	75.8	43	Q5RHG2_BRARE	Q5RHG2 brachydanio
20	25	75.8	44	Q7VCK7_PROMA	Q7VCK7 prochloroco
21	24	72.7	18	Q8N0X8_HUMAN	Q8N0X8 homo sapien
22	24	72.7	20	Q61871_MOUSE	Q61871 mus musculus
23	24	72.7	38	Q4X5P2_PLACH	Q4X5P2 plasmodium
24	24	72.7	39	Q9NQ08_HUMAN	Q9NQ08 homo sapien
25	24	72.7	40	Q6URT3_SORBI	Q6URT3 sorghum bic
26	24	72.7	43	Q87N13_VIBPA	Q87N13 vibrio para
27	24	72.7	43	Q88652_MARMO	Q88652 marmota mon
28	24	72.7	44	Q51QE0_MAGGR	Q51QE0 magnaporthe
29	24	72.7	46	Q95SE9_DROME	Q95SE9 drosophila
30	24	72.7	47	Q62218_MOUSE	Q62218 mus musculus
31	24	72.7	50	Q4YRT0_PLASBE	Q4YRT0 plasmodium

32 24 72.7 50 2 Q9AGM9\_CLOPE  
33 23 69.7 30 2 Q94X49\_GCBEN  
34 23 69.7 31 2 Q97S29\_STRPN  
35 23 69.7 38 2 Q746G6\_THET2  
36 23 69.7 39 2 Q8IWU1\_HUMAN  
37 23 69.7 40 2 P89054\_9REOV  
38 23 69.7 41 2 Q9PDN0\_XYLFA  
39 23 69.7 43 2 Q7QZB9\_GIALA  
40 23 69.7 43 2 Q9SQD0\_MAIZE  
41 23 69.7 46 2 Q62540\_MSSSP  
42 23 69.7 48 1 FIMBA\_BACNO  
43 23 69.7 48 1 FIMBE\_BACNO  
44 23 69.7 48 1 FIMBF\_BACNO  
45 23 69.7 48 1 FIMBG\_BACNO

O9AGM9 clostridium  
Q94X49 dendropoma  
Q97S29 streptococc  
Q746G6 thermus the  
Q8IWU1 homo sapien  
P89054 totavirus s  
Q9PDN0 xylella fas  
Q7QZB9 giardia lam  
Q9SQD0 zea mays (m  
Q62540 mus spratus  
FIMBA bacteroides  
FIMBE bacteroides  
FIMBF bacteroides  
FIMBG bacteroides

#### ALIGNMENTS

RESULT 1  
Q7UVP3\_RHOBA  
ID Q7UVP3\_RHOBA PRELIMINARY; PRT; 35 AA.  
AC Q7UVP3;  
DT 01-OCT-2003 (Tremblrel. 25, Created)  
DT 01-OCT-2003 (Tremblrel. 25, Last sequence update)  
DT 01-OCT-2003 (Tremblrel. 25, Last annotation update)  
DE Hypothetical protein.  
GN OrderedLocusNames=RB2508;  
OS Rhodopirellula baltica.  
OC Bacteria; Planctomycetes; Planctomycetacia; Planctomycetales;  
OC Planctomycetaceae; Firellula.  
OX NCBI\_TaxID=117;  
RN [1]  
RP NUCLEOTIDE SEQUENCE.  
RC STRAIN=1;  
RX MEDLINE=22735913; PubMed=12835416; DOI=10.1073/pnas.1431443100;  
RA Gloeckner F.O., Kube D., Bauer M., Bauer M., Teeling H., Lombardot T.,  
RA Ludwig W., Gade D., Beck A., Borzym K., Heitmann K., Rabus R.,  
RA Schlesner H., Amann R., Reinhardt R.;  
RT "Complete genome sequence of the marine planctomycete Firellula sp.  
RT strain 1.";  
RL Proc. Natl. Acad. Sci. U.S.A. 100:8298-8303 (2003).  
DR EMBL; BX294137; CAD72679.1; -; Genomic\_DNA.  
KW Complete proteome; Hypothetical protein.  
SQ SEQUENCE 35 AA; 3797 MW; 7803C899B2ABAFBF CRC64;

Query Match 84.8%; Score 28; DB 2; Length 35;  
Best Local Similarity 80.0%; Pred. No. 4.4e+02;  
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 WAPIP 5  
Db 17 WKPIP 21

RESULT 2  
Q9GKJ9\_PIG  
ID Q9GKJ9\_PIG PRELIMINARY; PRT; 36 AA.  
AC Q9GKJ9;  
DT 01-MAR-2001 (Tremblrel. 16, Created)  
DT 01-MAR-2001 (Tremblrel. 16, Last sequence update)  
DT 01-MAR-2004 (Tremblrel. 26, Last annotation update)  
DE Prostatic acid phosphatase (Fragment).  
GN Name=ACPP;  
OS Sus scrofa (Pig).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Suina; Suidae;  
OC Sus.  
OX NCBI\_TaxID=9823;  
RN [1]  
RP NUCLEOTIDE SEQUENCE.  
RX MEDLINE=21419000; PubMed=11528129;  
RA Van Poucke M., Yerle M., Tuggle C., Piumi F., Genet C.,

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RA Van Zeveren A., Peelman L.J.;
RT "Integration of porcine chromosome 13 maps.";
RL Cyogenet. Cell Genet. 93:297-303(2001).
DR EMBL; AF222911; AAG41124.1; -; Genomic_DNA.
DR HSSP; P15309; 1ND6.
DR GO; GO:0003993; F:acid phosphatase activity; IEA.
DR InterPro; IPR000560; HisAc_phsphtse.
DR Pfam; PF00328; Acid_phosphat_A; 1.
FT NON_TER 1
FT NON_TER 36
SQ SEQUENCE 36 AA; 3943 MW; 50C57B8C770EA10C CRC64;

Query Match 84.8%; Score 28; DB 2; Length 36;
Best Local Similarity 80.0%; Pred. No. 4.6e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 WAPIP 5
DB 25 WQPIP 29

RESULT 3
Q8ZT47 PYRAE
ID Q8ZT47 PYRAE PRELIMINARY; PRT; 38 AA.
AC Q8ZT47
DT 01-MAR-2002 (TrEMBLrel. 20, Created)
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Hypothetical protein PAE3440.
GN OrderedLocusNames=PAE3440;
OS Pyrobaculum aerophilum.
OC Archaea; Crenarchaeota; Thermoprotei; Thermoproteales;
OC Thermoproteaceae; Pyrobaculum.
OX NCBI_TaxID=13773;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RC STRAIN=IM2 / ATCC 51768 / DSM 7523;
RX MEDLINE=21664397; PubMed=11792869; DOI=10.1073/pnas.241636498;
RA Fitz-Gibbon S.T., Ladner H., Kim U.-J., Stetter K.O., Simon M.I.,
RA Miller J.H.;
RT "Genome sequence of the hyperthermophilic crenarchaeon Pyrobaculum
RT aerophilum.";
RL Proc. Natl. Acad. Sci. U.S.A. 99:984-989(2002).
DR EMBL; AE009931; AAL64916.1; -; Genomic_DNA.
KW Complete proteome.
SQ SEQUENCE 38 AA; 4277 MW; 7AE918E90FB36475 CRC64;

Query Match 84.8%; Score 28; DB 2; Length 38;
Best Local Similarity 80.0%; Pred. No. 4.8e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 WAPIP 5
DB 13 WQPIP 17

RESULT 4
Q9E2S5 HPBV0
ID Q9E2S5 HPBV0 PRELIMINARY; PRT; 41 AA.
AC Q9E2S5
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retro-transcribing viruses; Hepadnaviridae;
OC Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RA Theamboonlers A., Poovorawan Y.;
RL Submitted (MAY-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF271107; AAG21304.1; -; Genomic_DNA.

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DR GO; GO:0016032; P:viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surflag.
DR PANTHER; PTHR10832; Hepvir_surflag; 1.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 41
SQ SEQUENCE 41 AA; 4478 MW; 09F666BB3AA23111 CRC64;

Query Match 84.8%; Score 28; DB 2; Length 41;
Best Local Similarity 80.0%; Pred. No. 5.2e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 WAPIP 5
DB 30 WQPIP 34

RESULT 5
Q9E2S6 HPBV0
ID Q9E2S6 HPBV0 PRELIMINARY; PRT; 41 AA.
AC Q9E2S6
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retro-transcribing viruses; Hepadnaviridae;
OC Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RA Theamboonlers A., Poovorawan Y.;
RL Submitted (MAY-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF271106; AAG21303.1; -; Genomic_DNA.
GO; GO:0016032; P:viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surflag; 1.
DR PANTHER; PTHR10832; Hepvir_surflag; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 41
SQ SEQUENCE 41 AA; 4463 MW; 09E00A6B3AB8F571 CRC64;

Query Match 84.8%; Score 28; DB 2; Length 41;
Best Local Similarity 80.0%; Pred. No. 5.2e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 WAPIP 5
DB 30 WQPIP 34

RESULT 6
Q9E2S7 HPBV0
ID Q9E2S7 HPBV0 PRELIMINARY; PRT; 41 AA.
AC Q9E2S7
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retro-transcribing viruses; Hepadnaviridae;
OC Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RA Theamboonlers A., Poovorawan Y.;
RL Submitted (MAY-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF271105; AAG21302.1; -; Genomic_DNA.
GO; GO:0016032; P:viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surflag; 1.
DR PANTHER; PTHR10832; Hepvir_surflag; 1.

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DR Pfam: PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 41 41
SQ SEQUENCE 41 AA; 4522 MW; 09E00A6B3AA48D51 CRC64;
Query Match 84.8%; Score 28; DB 2; Length 41;
Best Local Similarity 80.0%; Pred. No. 5.2e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 WAPIP 5
Db 30 WIPIP 34

RESULT 7
Q9E2S9 HPBV0
ID Q9E2S9 HPBV0 PRELIMINARY; PRT; 41 AA.
AC Q9E2S9
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retro-transcribing viruses; Hepadnaviridae;
OC Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RA Theamboonlers A., Poovorawan Y.;
RL Submitted (MAY-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF271103; AAG21300.1; -; Genomic DNA.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfaag.
DR PANTHER; PTHR10832; Hepvir_surfaag; 1.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 41 41
SQ SEQUENCE 41 AA; 4395 MW; 09F66BB3AB8BD1 CRC64;
Query Match 84.8%; Score 28; DB 2; Length 41;
Best Local Similarity 80.0%; Pred. No. 5.2e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 WAPIP 5
Db 30 WIPIP 34

RESULT 8
Q9E2T2 HPBV0
ID Q9E2T2 HPBV0 PRELIMINARY; PRT; 41 AA.
AC Q9E2T2
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retro-transcribing viruses; Hepadnaviridae;
OC Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RA Theamboonlers A., Poovorawan Y.;
RL Submitted (MAY-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF271100; AAG21297.1; -; Genomic DNA.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfaag.
DR PANTHER; PTHR10832; Hepvir_surfaag; 1.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 41 41
SQ SEQUENCE 41 AA; 4395 MW; 09F66BB3AB8BD1 CRC64;
Query Match 84.8%; Score 28; DB 2; Length 41;
Best Local Similarity 80.0%; Pred. No. 5.2e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 WAPIP 5
Db 30 WIPIP 34

RESULT 9
Q9IF64 HPBV0
ID Q9IF64 HPBV0 PRELIMINARY; PRT; 41 AA.
AC Q9IF64
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Mutant surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retro-transcribing viruses; Hepadnaviridae;
OC Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RA Theamboonlers A., Kaew-in N., Jantaradsamee P., Poovorawan Y.;
RL Submitted (JUN-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF275907; AAF86461.1; -; Genomic DNA.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfaag.
DR PANTHER; PTHR10832; Hepvir_surfaag; 1.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 41 41
SQ SEQUENCE 41 AA; 4510 MW; 0F47BB7B3AA49BD1 CRC64;
Query Match 84.8%; Score 28; DB 2; Length 41;
Best Local Similarity 80.0%; Pred. No. 5.2e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 WAPIP 5
Db 30 WIPIP 34

RESULT 10
Q9IF65 HPBV0
ID Q9IF65 HPBV0 PRELIMINARY; PRT; 41 AA.
AC Q9IF65
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retro-transcribing viruses; Hepadnaviridae;
OC Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RA Theamboonlers A., Kaew-in N., Jantaradsamee P., Poovorawan Y.;
RL Submitted (JUN-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF275906; AAF86460.1; -; Genomic DNA.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfaag.
DR PANTHER; PTHR10832; Hepvir_surfaag; 1.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 41 41
SQ SEQUENCE 41 AA; 4481 MW; 09E00A6B3AA49BD1 CRC64;
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Query Match      84.8%; Score 28; DB 2; Length 41;
Best Local Similarity 80.0%; Pred. No. 5.2e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 WAPIP 5
DB      30 WIPIP 34

RESULT 11
Q9UML4 HUMAN
ID Q9UML4_HUMAN PRELIMINARY; PRT; 36 AA.
AC Q9UML4;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Alpha-1 type V collagen (Fragment).
GN Name=COL5A1;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
OC Homo.
OX NCBI_TaxID=9606;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RC TISSUE=Placenta;
RX MEDLINE=91302336; PubMed=2071595;
RA Takahara K., Seto Y., Okasawa K., Okamoto N., Noda A., Yaoi Y.,
RT "Complete primary structure of human collagen alpha 1 (V) chain.";
RL J. Biol. Chem. 266:13124-13129(1991).
RN [2]
RP NUCLEOTIDE SEQUENCE.
RC TISSUE=Placenta;
RX MEDLINE=92105142; PubMed=1722213;
RA Greenspan D.S., Cheng W., Hoffman G.G.;
RT "The pro-alpha 1(V) collagen chain. Complete primary structure,
RT distribution of expression, and comparison with the pro-alpha 1(XI)
RT collagen chain.";
RL J. Biol. Chem. 266:24727-24733(1991).
RN [3]
RP NUCLEOTIDE SEQUENCE.
RC TISSUE=Placenta;
RX MEDLINE=95374437; PubMed=7646438;
RA Lee S., Greenspan D.S.;
RT "Transcriptional promoter of the human alpha 1(V) collagen gene
RT (COL5A1).";
RL Biochem. J. 310:0-0(0).
DR EMBL; L38808; AAA79853.1; -: Genomic_DNA.
KW Collagen.
FT NON TER
SQ SEQUENCE 36 AA; 36 36 91DB1D08F7EC2E67 CRC64;

Query Match      78.8%; Score 26; DB 2; Length 36;
Best Local Similarity 80.0%; Pred. No. 1.1e+03;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 WAPIP 5
DB      29 WAPPP 33

RESULT 12
Q5NQT5 ZYMO
ID Q5NQT5_ZYMO PRELIMINARY; PRT; 37 AA.
AC Q5NQT5;
DT 01-FEB-2005 (TrEMBLrel. 29, Created)
DT 01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
DT 01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
DE Hypothetical protein.
GN OrderedLocusNames=ZMO0295;
OS Zymomonas mobilis.
OC Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales;

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OC Sphingomonadaceae; Zymomonas.
OX NCBI_TaxID=542;
RN [1]
RP NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
RC STRAIN=ATCC 31821 / ZM4 / CP4;
RX PubMed=15592456; DOI=10.1038/nbt1045;
RA Seo J.-S., Chong H., Park H.S., Yoon K.-O., Jung C., Kim J.J.,
RA Hong J.H., Kim H., Kim J.-H., Kil J.-I., Park C.J., Oh H.-M.,
RA Lee J.-S., Jin S.-J., Um H.-W., Lee H.-J., Oh S.-J., Kim J.Y.,
RA Kang H.L., Lee S.Y., Lee K.J., Kang H.S.;
RT "The genome sequence of the ethanologenic bacterium Zymomonas mobilis
RT ZM4.";
RL Nat. Biotechnol. 23:63-68(2005).
DR EMBL; AE008692; AAV8919.1; -: Genomic_DNA.
SQ Complete proteome; Hypothetical protein.
KW SEQUENCE 37 AA; 4199 MW; 5BE9C879CA8C289B CRC64;

Query Match      78.8%; Score 26; DB 2; Length 37;
Best Local Similarity 60.0%; Pred. No. 1.1e+03;
Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 WAPIP 5
DB      10 WRPLP 14

RESULT 13
Q5C7S0 SCHJA
ID Q5C7S0_SCHJA PRELIMINARY; PRT; 38 AA.
AC Q5C7S0;
DT 10-MAY-2005 (TrEMBLrel. 30, Created)
DT 10-MAY-2005 (TrEMBLrel. 30, Last sequence update)
DT 10-MAY-2005 (TrEMBLrel. 30, Last annotation update)
DE Hypothetical protein.
OS Schistosoma japonicum (Blood fluke).
OC Eukaryota; Metazoa; Platyhelminthes; Trematoda; Digenea; Strigeida;
OC Schistosomatidae; Schistosomatidae; Schistosoma.
OX NCBI_TaxID=6182;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RA Han Z.;
RL Submitted (MAR-2005) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY808415; AAX24304.1; -: mRNA.
KW Hypothetical protein.
SQ SEQUENCE 38 AA; 4716 MW; 0E286F7C119BEBBCB CRC64;

Query Match      78.8%; Score 26; DB 2; Length 38;
Best Local Similarity 60.0%; Pred. No. 1.1e+03;
Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 WAPIP 5
DB      5 WSPFP 9

RESULT 14
Q7M1Z4 HORVU
ID Q7M1Z4_HORVU PRELIMINARY; PRT; 40 AA.
AC Q7M1Z4;
DT 01-MAR-2004 (TrEMBLrel. 26, Created)
DT 01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
DT 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE Gamma-hordein 3 (fragment).
OS Hordeum vulgare (Barley).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; Pooidae;
OC Triticeae; Hordeum.
OX NCBI_TaxID=4513;
RN [1]
RP PROTEIN SEQUENCE.
RA Shewry P.R., Kreis M., Farman S., Lew E.J.L., Kasarda D.D.;
RT "Identification of gamma-type hordeins in barley.";
RL FEBS Lett. 190:61-64(1985).

```

```

DR  PIR; B24095; B24095. 1
FT  NON_TER 1
FT  NON_TER 40
SQ  SEQUENCE 40 AA; 4691 MW; E085BDDA843AC724 CRC64;

Query Match      78.8%; Score 26; DB 2; Length 40;
Best Local Similarity 60.0%; Pred. No. 1.2e+03;
Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY  1 WAPIP 5
    | | |
Db  25 WQPLP 29

RESULT 15
Q7UI48 RHOB
ID  Q7UI48 RHOB PRELIMINARY; PRT; 50 AA.
AC  Q7UI48;
DT  01-OCT-2003 (TReMBLrel. 25, Created)
DT  01-OCT-2003 (TReMBLrel. 25, Last sequence update)
DT  01-OCT-2003 (TReMBLrel. 25, Last annotation update)
DE  Hypothetical protein.
GN  OrderedLocusNames=RB12760;
OS  Rhodopirellula baltica.
OC  Bacteria; Planctomycetes; Planctomycetacia; Planctomycetales;
OC  Planctomycetaceae; Pirellula.
OX  NCBI_TaxID=117;
RN  [1]
RP  NUCLEOTIDE SEQUENCE.
RC  STRAIN=1;
RX  MEDLINE=22735913; PubMed=12835416; DOI=10.1073/pnas.1431443100;
RA  Gloeckner F.O., Kube M., Bauer M., Teeling H., Lombardot T.,
RA  Ludwig W., Gade D., Beck A., Borzym K., Heilmann K., Rabus R.,
RA  Schlesner H., Amann R., Reinhardt R.;
RT  "Complete genome sequence of the marine planctomycete Pirellula sp.
    strain 1."
RL  Proc. Natl. Acad. Sci. U.S.A. 100:8298-8303(2003).
DR  EMBL; BX294155; CAD77766.1; -; Genomic_DNA.
KW  Complete proteome; Hypothetical protein.
SQ  SEQUENCE 50 AA; 5512 MW; 23E193329ECCBAA1 CRC64;

Query Match      78.8%; Score 26; DB 2; Length 50;
Best Local Similarity 60.0%; Pred. No. 1.5e+03;
Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY  1 WAPIP 5
    | | |
Db  22 WQPLP 26

Search completed: May 12, 2006, 18:08:49
Job time : 227 secs

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GenCore version 5.1.8  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: May 12, 2006, 18:05:12 ; Search time 37 Seconds  
(without alignments)  
13.002 Million cell updates/sec

Title: US-10-714-564A-2

Perfect score: 33

Sequence: 1 WAPIP 5

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 283416 seqs, 96216763 residues

Total number of hits satisfying chosen parameters: 11837

Minimum DB seq length: 0

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

PIR 80.\*

1: Piri.\*

2: Piri2.\*

3: Piri3.\*

4: Piri4.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	27	81.8	33	2 A42592	precorrin-6x reduc
2	26	78.8	40	2 B24095	gamma-hordein 3 -
3	24	72.7	47	2 T01680	sepiapterin reduct
4	23	69.7	31	2 G95018	hypothetical prote
5	23	69.7	41	2 D82691	hypothetical prote
6	23	69.7	46	2 I49416	glandular kallikre
7	23	69.7	48	2 S15246	fimb protein - Dic
8	23	69.7	48	2 S15245	fimb protein - Dic
9	22	66.7	5	2 G37196	bradykinin-potent
10	22	66.7	7	2 PQ0727	H2 class I protein
11	22	66.7	7	2 E48394	glycoprotein compo
12	22	66.7	20	2 PW0003	chlorophyll a/b-bi
13	22	66.7	23	2 B54346	pyruvate synthase
14	22	66.7	25	2 S13996	hypothetical prote
15	22	66.7	30	2 PC2253	antifungal 27K pro
16	22	66.7	34	2 PH1337	Ig heavy chain DJ
17	22	66.7	37	2 D45095	photosystem I high
18	22	66.7	42	2 C43259	H+-transporting tw
19	22	66.7	47	2 F90852	hypothetical prote
20	22	66.7	47	2 B90910	hypothetical prote
21	22	66.7	47	2 A98875	hypothetical prote
22	21	63.6	10	2 S39030	lysyl-bradykinin -
23	21	63.6	28	2 I56139	MHC class I HLA-J
24	21	63.6	30	2 D72276	hypothetical prote
25	21	63.6	31	2 S53176	gene x protein - h
26	21	63.6	31	2 S53284	gene x protein - h
27	21	63.6	31	2 S53192	gene x protein - h
28	21	63.6	31	2 I48082	mitochondrial benz
29	21	63.6	39	2 S77904	tax protein - siml

30	21	63.6	40	2 T35510	hypothetical prote
31	21	63.6	41	2 B45087	cysteine proteinas
32	21	63.6	46	2 S07073	arabinogalactan pr
33	21	63.6	47	2 A18825	phospholipase A2 (
34	21	63.6	47	2 A18825	antigen WC1 [simil
35	20.5	62.1	18	2 S39009	oviductin - golden
36	20	60.6	12	2 PN0663	dystrophin-associ
37	20	60.6	22	2 FC2367	angiotensin I-conv
38	20	60.6	26	2 A26070	neprilysin (EC 3.4
39	20	60.6	36	1 LBRFGV	light-harvesting p
40	20	60.6	44	2 D35878	class I major hist
41	20	60.6	45	1 A42794	osteocalcin - blue
42	20	60.6	47	2 S14022	hypothetical prote
43	20	60.6	48	2 AS9458	osteocalcin - comm
44	20	60.6	48	2 T14996	hypothetical prote
45	20	60.6	49	2 S70651	leukotriene-A4 hyd

#### ALIGNMENTS

##### RESULT 1

A42592  
Precorrin-6x reductase (EC 1.-.-.-) - Pseudomonas sp. (strain SC510) (fragments)  
C;Species: Pseudomonas sp.  
C;Date: 31-Dec-1993 #sequence\_revision 31-Dec-1993 #text\_change 21-Mar-1996  
C;Accession: A42592  
R;Blanche, F.; Thibaut, D.; Farnachon, A.; Debussche, L.; Cameron, B.; Crouzet, J.  
J. Bacteriol. 174, 1036-1042, 1992  
A;Title: Precorrin-6x reductase from Pseudomonas denitrificans: purification and charac  
A;Reference number: A42592; MUID:92121090; PMID:1732193  
A;Accession: A42592  
A;Status: preliminary  
A;Molecule type: protein  
A;Residues: 1-33 <BLA>  
A;Cross-references: UNIPARC:UPI000017A9A6  
C;Keywords: oxidoreductase

Query Match 81.8%; Score 27; DB 2; Length 33;  
Best Local Similarity 60.0%; Pred. No. 74;  
Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
Db 20 WVPLP 24

##### RESULT 2

B24095  
gamma-hordein 3 - barley (fragment)  
C;Species: Hordeum vulgare (barley)  
C;Date: 31-Mar-1989 #sequence\_revision 31-Mar-1989 #text\_change 09-Jul-2004  
C;Accession: B24095  
R;Shewry, P.R.; Kreis, M.; Parmar, S.; Lew, E.J.L.; Kasarda, D.D.  
FEBS Lett. 190, 61-64, 1985  
A;Title: Identification of gamma-type hordeins in barley.  
A;Reference number: A91348  
A;Accession: B24095  
A;Molecule type: protein  
A;Residues: 1-40 <SHR>  
A;Cross-references: UNIPROT:Q7M124; UNIPARC:UPI00000177E98  
C;Superfamily: gliadin

Query Match 78.8%; Score 26; DB 2; Length 40;  
Best Local Similarity 60.0%; Pred. No. 14e+02;  
Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
Db 25 WQPLP 29

##### RESULT 3

T01680  
 septaplerin reductase - mouse  
 C;Species: Mus musculus (house mouse)  
 C;Date: 19-Feb-1999 #sequence\_revision 19-Feb-1999 #text\_change 09-Jul-2004  
 C;Accession: T01680  
 R;Maier, J.; Schott, K.; Warner, T.; Bacher, A.; Ziegler, I.  
 Exp. Cell Res. 204, 217-222, 1993  
 A;Title: Detection of a novel septaplerin reductase mRNA: Assay of mRNA in various cells  
 A;Reference number: A49174; MUID:93178546; PMID:8440319  
 A;Accession: T01680  
 A;Status: preliminary; translated from GB/EMBL/DBJ  
 A;Molecule type: mRNA  
 A;Residues: 1-47 <MAL>  
 A;Cross-references: UNIPROT:Q62218; UNIPARC:UPI00000262B0; EMBL:Z21947; NID:G287925; PII

Query Match 72.7%; Score 24; DB 2; Length 47;  
 Best Local Similarity 60.0%; Pred. No. 3.9e+02;  
 Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||  
 Db 16 WAEVP 20

RESULT 4  
 G95018  
 hypothetical protein SP0162 [imported] - Streptococcus pneumoniae (strain TIGR4)  
 C;Species: Streptococcus pneumoniae  
 C;Date: 03-Aug-2001 #sequence\_revision 03-Aug-2001 #text\_change 09-Jul-2004  
 C;Accession: G95018  
 R;Retzelin, H.; Nelson, K.E.; Paulsen, I.T.; Eisen, J.A.; Read, T.D.; Peterson, S.; Heid  
 on, J.D.; Umayam, L.A.; White, O.; Salzberg, S.L.; Lewis, M.R.; Radune, D.; Holtzapfel,  
 non, T.; Hickey, E.K.; Holt, I.E.  
 Science 293, 498-506, 2001  
 A;Authors: Loftus, B.J.; Yang, F.; Smith, H.O.; Venter, J.C.; Dougherty, B.A.; Morrison,  
 A;Title: Complete Genome Sequence of a virulent isolate of Streptococcus pneumoniae.  
 A;Reference number: A95000; MUID:21357209; PMID:11463916  
 A;Accession: G95018  
 A;Status: preliminary  
 A;Molecule type: DNA  
 A;Residues: 1-31 <KUR>  
 A;Cross-references: UNIPROT:Q97S29; UNIPARC:UPI0000051314; GB:AE005672; PIDN:AAK74344.1;  
 A;Experimental source: strain TIGR4  
 C;Genetics:  
 A;Gene: SP0162

Query Match 69.7%; Score 23; DB 2; Length 31;  
 Best Local Similarity 75.0%; Pred. No. 4e+02;  
 Matches 3; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPI 4  
 |||  
 Db 7 WAPM 10

RESULT 5  
 D82691  
 hypothetical protein XF1349 [imported] - Xylella fastidiosa (strain 9a5c)  
 C;Species: Xylella fastidiosa  
 C;Date: 18-Aug-2000 #sequence\_revision 20-Aug-2000 #text\_change 09-Jul-2004  
 C;Accession: D82691  
 R;anonymous, The Xylella fastidiosa Consortium of the Organization for Nucleotide Sequen  
 Nature 406, 151-157, 2000  
 A;Title: The genome sequence of the plant pathogen Xylella fastidiosa.  
 A;Reference number: A82515; MUID:20365717; PMID:10910347  
 A;Note: for a complete list of authors see reference number A59328 below  
 A;Accession: D82691  
 A;Status: preliminary  
 A;Molecule type: DNA  
 A;Residues: 1-41 <SIM>  
 A;Cross-references: UNIPROT:Q9PDN0; UNIPARC:UPI00000C26D8; GB:AE003967; GB:AE003949; NID  
 A;Experimental source: strain 9a5c  
 R;Simpson, A.J.G.; Reinach, F.C.; Arruda, P.; Abreu, F.A.; Acencio, M.; Alvarenga, R.; A

Briones, M.R.S.; Bueno, M.R.P.; Camargo, A.A.; Camargo, L.E.A.; Carraro, D.M.; Carrer, ;  
 as-Neto, E.; Docena, C.; El-Dorri, H.; Facincani, A.P.; Ferreira, A.J.S.  
 submitted to GenBank, June 2000  
 A;Authors: Ferreira, V.C.A.; Kemper, E.L.; Kitajima, J.P.; Krieger, J.E.; Kuramae, E.E.; Laig  
 J.D.; Junqueira, M.L.; Madeira, H.M.F.; Marino, C.L.; Marques, M.V.; Martins, ;  
 Chado, M.A.; Madeira, A.M.B.N.; Madeira, H.M.F.; Marino, C.L.; Marques, M.V.; Martins, ;  
 A;Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.F.M.; Miracca, E.C.; Miyaki, C.Y.  
 , F.G.; Nunes, L.R.; Oliveira, M.A.; de Oliveira, M.C.; de Oliveira, R.C.; Palmieri, D.;  
 Rodrigues, V.; Rosa, A.J. de M.; de Rosa Jr., V.E.; de Sa, R.G.; Santelli, R.V.; Sawasa  
 A;Authors: da Silva, A.C.R.; da Silva, F.R.; da Silva, A.M.; Silva Jr., W.A.; da Silve  
 M.; Tshako, M.H.; Vallada, H.; Van Sluys, M.A.; Verjovski-Almeida, S.; Vettore, A.L.;  
 A;Reference number: A59328  
 A;Contents: annotation  
 C;Genetics:  
 A;Gene: XF1349

Query Match 69.7%; Score 23; DB 2; Length 41;  
 Best Local Similarity 60.0%; Pred. No. 5.3e+02;  
 Matches 3; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||  
 Db 12 WLPAP 16

RESULT 6  
 I49416  
 glandular kallikrein - western wild mouse (fragment)  
 C;Species: Mus spretus (western wild mouse)  
 C;Date: 02-Jul-1996 #sequence\_revision 02-Jul-1996 #text\_change 09-Jul-2004  
 C;Accession: I49416  
 R;Ko, M.S.; Wang, X.; Horton, J.H.; Hagen, M.D.; Takahashi, N.; Maezaki, Y.; Nadeau, J.;  
 Mamm. Genome 5, 349-355, 1994  
 A;Title: Genetic mapping of 40 cDNA clones on the mouse genome by PCR.  
 A;Reference number: I49934; MUID:94319082; PMID:8043949  
 A;Accession: I49416  
 A;Status: preliminary; translated from GB/EMBL/DBJ  
 A;Molecule type: DNA  
 A;Residues: 1-46 <RES>  
 A;Cross-references: UNIPROT:Q62540; UNIPARC:UPI000008743; EMBL:U05716; NID:G497047; PI  
 C;Superfamily: trypsin; trypsin homology

Query Match 69.7%; Score 23; DB 2; Length 46;  
 Best Local Similarity 60.0%; Pred. No. 5.9e+02;  
 Matches 3; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||  
 Db 15 WGPSP 19

RESULT 7  
 S15246  
 fimB protein - Dichelobacter nodosus (fragment)  
 C;Species: Dichelobacter nodosus  
 C;Date: 30-Jun-1992 #sequence\_revision 30-Jun-1992 #text\_change 09-Jul-2004  
 C;Accession: S15246; S15240  
 R;Hobbs, M.; Dalrymple, B.P.; Cox, P.T.; Livingstone, S.P.; Delaney, S.F.; Mattick, J.S  
 Mol. Microbiol. 5, 543-560, 1991  
 A;Title: Organization of the fibrial gene region of Bacteroides nodosus: class I and c  
 A;Reference number: S15240; MUID:91260439; PMID:1675418  
 A;Accession: S15246  
 A;Molecule type: DNA  
 A;Residues: 1-48 <HOB>  
 A;Cross-references: UNIPROT:P17828; UNIPARC:UPI000012AA73; EMBL:X52403; NID:G39663; PIDN:CAA36649.1; PI  
 A;Experimental source: serotype G1  
 A;Note: the source is designated as Bacteroides nodosus  
 A;Accession: S15240  
 A;Molecule type: DNA  
 A;Residues: 1-48 <HOB>  
 A;Cross-references: UNIPARC:UPI000012AA73; EMBL:X52403; NID:G39663; PIDN:CAA36649.1; PI  
 A;Experimental source: serotype A1  
 A;Note: the source is designated as Bacteroides nodosus

```
C;Genetics:
A;Gene: fimB
C;Superfamily: fimB protein

Query Match      69.7%; Score 23; DB 2; Length 48;
Best Local Similarity 60.0%; Pred. No. 6.2e+02;
Matches 3; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 WAPIP 5
DB 35 WYPPF 39

RESULT 8
S15245
fimB protein - Dichelobacter nodosus (serotype Fl) (fragment)
C;Species: Dichelobacter nodosus
C;Date: 30-Jun-1992 #sequence_revision 30-Jun-1992 #text_change 09-Jul-2004
C;Accession: S15245
R;Hobbs, M.; Dalrymple, B.P.; Cox, P.T.; Livingstone, S.P.; Delaney, S.F.; Mattick, J.S.
Mol. Microbiol. 5, 543-560, 1991
A;Title: Organization of the fimbrial gene region of Bacteroides nodosus: class I and class II-like sequences
A;Reference number: S15240; MUID:91260439; PMID:1675418
A;Accession: S15245
A;Molecule type: DNA
A;Residues: 1-48 <HOB>
A;Cross-references: UNIPROT:P17832; UNIPARC:UPI000012AA77; EMBL:X52408; NID:G39683; PIDN
A;Note: the source is designated as Bacteroides nodosus
C;Genetics:
A;Gene: fimB
C;Superfamily: fimB protein

Query Match      69.7%; Score 23; DB 2; Length 48;
Best Local Similarity 60.0%; Pred. No. 6.2e+02;
Matches 3; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 WAPIP 5
DB 35 WYPPF 39

RESULT 9
G37196
bradykinin-potentiating peptide 7 - island jaraaca
C;Species: Bothrops insularis (island jaraaca)
C;Date: 14-Feb-1992 #sequence_revision 01-Dec-1992 #text_change 09-Jul-2004
C;Accession: G37196
R;Cintra, A.C.O.; Vieira, C.A.; Giglio, J.R.
J. Protein Chem. 9, 221-227, 1990
A;Title: Primary structure and biological activity of bradykinin potentiating peptides from Bothrops insularis
A;Reference number: A37196; MUID:90351557; PMID:2386615
A;Accession: G37196
A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-5 <CIN>
A;Cross-references: UNIPROT:P30425; UNIPARC:UPI0000126A93
C;Keywords: pyroglutamic acid
F;1/Modified site: pyrrolidone carboxylic acid (Gln) #status experimental

Query Match      66.7%; Score 22; DB 2; Length 5;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAP 3
DB 3 WAP 5

RESULT 10
PQ0727
H2 class I protein (imported) - rice (fragment)
C;Species: Oryza sativa (rice)
C;Date: 20-Apr-2000 #sequence_revision 20-Apr-2000 #text_change 20-Apr-2000

C;Accession: PQ0727
R;Komatsu, S.; Kajiwara, H.; Hirano, H.
Theor. Appl. Genet. 86, 935-942, 1993
A;Title: A rice protein library: a data-file of rice proteins separated by two-dimensional gel electrophoresis
A;Reference number: PQ0696
A;Accession: PQ0727
A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-7 <KOM>
A;Cross-references: UNIPARC:UPI000017B10C

Query Match      66.7%; Score 22; DB 2; Length 7;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAP 3
DB 1 WAP 3

RESULT 11
E48394
glycoprotein component 16/major fat-globule membrane protein/MFG-E8 homolog - bovine (f
C;Species: Bos primigenius taurus (cattle)
C;Date: 19-Nov-1993 #sequence_revision 18-Nov-1994 #text_change 07-Feb-1997
C;Accession: E48394
R;Mather, I.H.; Banghart, L.R.; Lane, W.S.
Biochem. Mol. Biol. Int. 29, 545-554, 1993
A;Title: The major fat-globule membrane proteins, bovine components 15/16 and guinea-pi
A;Note: sequence extracted from NCBI backbone (NCBIP:131450)
A;Reference number: A48394; MUID:93250576; PMID:8485470
A;Accession: E48394
A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-7 <MAT>
A;Cross-references: UNIPARC:UPI000014C318
A;Experimental source: milk
A;Note: sequence extracted from NCBI backbone (NCBIP:131450)
C;Keywords: glycoprotein

Query Match      66.7%; Score 22; DB 2; Length 7;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAP 3
DB 1 WAP 3

RESULT 12
PW0003
chlorophyll a/b-binding protein 30K - green alga (Dunaliella tertiolecta) (fragment)
N;Alternate names: photosystem II light-harvesting chlorophyll 30K protein
C;Species: Dunaliella tertiolecta
C;Date: 24-Nov-1999 #sequence_revision 24-Nov-1999 #text_change 24-Nov-1999
C;Accession: PW0003
R;LaRoche, J.; Bennett, J.; Falkowski, P.G.
Gene 95, 165-171, 1990
A;Title: Characterization of a cDNA encoding for the 28.5-kDa LHCII apoprotein from the green alga Dunaliella tertiolecta
A;Reference number: JW0040; MUID:91065528; PMID:2249775
A;Accession: PW0003
A;Molecule type: protein
A;Residues: 1-20 <LAR>
A;Cross-references: UNIPARC:UPI0000178175
C;Superfamily: chlorophyll a/b-binding protein
C;Keywords: chloroplast; grana; light-harvesting complex; membrane adhesion; membrane p

Query Match      66.7%; Score 22; DB 2; Length 20;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAP 3
DB 1 WAP 3
```

Db 11 WAP 13

## RESULT 13

E54346  
pyruvate synthase (EC 1.2.7.1) beta subunit - Pyrococcus furiosus (fragment)  
N;Alternate names: Pyruvate:ferredoxin 2-oxido-reductase beta subunit  
C;Species: Pyrococcus furiosus  
C;Date: 06-Oct-1994 #sequence\_revision 18-Nov-1994 #text\_change 16-Aug-2004  
C;Accession: E54346  
R;Blamey, J.M.; Adams, M.W.  
Biochemistry 33, 1000-1007, 1994  
A;Title: Characterization of an ancestral type of pyruvate ferredoxin oxidoreductase from  
A;Reference number: A54346; MUID:94137707; PMID:8305426  
A;Accession: E54346  
A;Status: preliminary  
A;Molecule type: protein  
A;Residues: 1-23 <BLA>  
A;Cross-references: UNIPROT:Q9UWL2; UNIPARC:UPI0000062714  
A;Note: sequence extracted from NCBI backbone (NCBIP:144576)  
C;Superfamily: 2-oxoacid:ferredoxin oxidoreductase, beta subunit  
C;Keywords: coenzyme A; oxidoreductase

Query Match 66.7%; Score 22; DB 2; Length 23;  
Best Local Similarity 100.0%; Pred. No. 4.6e+02;  
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAP 3

|||

Db 13 WAP 15

## RESULT 14

SI3996  
hypothetical protein - phage TW19 (fragment)  
C;Species: phage TW19  
C;Date: 18-Feb-1994 #sequence\_revision 24-Apr-1998 #text\_change 24-Apr-1998  
C;Accession: SI3996  
R;Inokuchi, Y.; Hirashima, A.; Watanabe, I.  
J. Mol. Biol. 158, 711-730, 1982  
A;Title: Comparison of the nucleotide sequences at the 3'-terminal region of RNAs from R  
A;Reference number: S07250; MUID:83010313; PMID:7120417  
A;Accession: SI3996  
A;Status: translation not shown  
A;Molecule type: genomic RNA  
A;Residues: 1-25 <INO>  
A;Cross-references: UNIPARC:UPI000017A89C; EMBL:J02520; NID:g216180

Query Match 66.7%; Score 22; DB 2; Length 25;  
Best Local Similarity 100.0%; Pred. No. 4.9e+02;  
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAP 3

|||

Db 2 WAP 4

## RESULT 15

PC2253  
antifungal 27K protein - Diospyros texana (fragment)  
C;Species: Diospyros texana  
C;Date: 24-Feb-1995 #sequence\_revision 24-Feb-1995 #text\_change 24-Feb-1995  
C;Accession: PC2253  
R;Vu, L.; Huynh, Q.K.  
Biochem. Biophys. Res. Commun. 202, 666-672, 1994  
A;Title: Isolation and characterization of a 27-kDa antifungal protein from the fruits of  
A;Reference number: PC2253; MUID:94324951; PMID:8048935  
A;Accession: PC2253  
A;Molecule type: protein  
A;Residues: 1-30 <VUL>  
A;Cross-references: UNIPARC:UPI000017CA4C  
C;Comment: This protein belongs to one type of antifungal proteins called thaumatin-like

GenCore version 5.1.8  
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OM protein - protein search, using sw model

Run on: May 12, 2006, 18:09:03 ; Search time 46 Seconds  
(without alignments)  
8.986 Million cell updates/sec

Title: US-10-714-564A-2

Perfect score: 33

Sequence: 1 WAP15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 308952

Minimum DB seq length: 0

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA:\*
- 1: /cgn2\_6/ptodata/1/iaa/5.COMB.pap.\*
  - 2: /cgn2\_6/ptodata/1/iaa/6.COMB.pap.\*
  - 3: /cgn2\_6/ptodata/1/iaa/H.COMB.pap.\*
  - 4: /cgn2\_6/ptodata/1/iaa/PCUS.COMB.pap.\*
  - 5: /cgn2\_6/ptodata/1/iaa/RE.COMB.pap.\*
  - 6: /cgn2\_6/ptodata/1/iaa/backfiles1.pap.\*

\* Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	28	84.8	7	1	US-08-338-383C-3
2	28	84.8	11	1	US-08-444-618-11
3	28	84.8	11	1	US-08-444-618-12
4	28	84.8	11	1	US-08-444-618-13
5	28	84.8	12	1	US-08-444-618-5
6	28	84.8	13	1	US-08-444-618-7
7	28	84.8	15	2	US-09-403-343B-13
8	28	84.8	38	1	US-08-622-753A-2
9	28	84.8	38	1	US-08-622-753A-4
10	28	84.8	38	1	US-08-622-753A-6
11	28	84.8	38	1	US-08-622-753A-8
12	28	84.8	40	2	US-09-716-129-111
13	28	84.8	49	2	US-09-284-819-4
14	28	84.8	49	2	US-10-059-506-4
15	27	81.8	6	2	US-08-776-059-56
16	27	81.8	7	2	US-09-365-581A-4
17	27	81.8	7	2	US-09-626-821A-4
18	27	81.8	9	2	US-08-159-339A-648
19	27	81.8	20	2	US-08-602-999A-118
20	27	81.8	20	2	US-09-500-124-118
21	27	81.8	48	2	US-09-636-791A-17
22	27	81.8	50	2	US-09-621-976-7159
23	26	78.8	6	2	US-09-579-894-10
24	26	78.8	12	1	US-08-190-788A-101
25	26	78.8	12	1	US-08-383-474B-106
26	26	78.8	12	1	US-08-465-391A-101
27	26	78.8	12	1	US-08-464-538B-101

28	26	78.8	12	1	US-08-463-076B-147	Sequence 147, App
29	26	78.8	12	1	US-08-553-257A-22	Sequence 22, Appl
30	26	78.8	12	2	US-09-441-992-22	Sequence 22, Appl
31	26	78.8	16	2	US-08-602-999A-174	Sequence 174, App
32	26	78.8	16	2	US-09-500-124-174	Sequence 174, App
33	26	78.8	20	2	US-08-602-999A-114	Sequence 114, App
34	26	78.8	20	2	US-09-500-124-114	Sequence 114, App
35	26	78.8	23	4	PCT-US92-08094-60	Sequence 60, Appl
36	26	78.8	38	1	US-08-176-500-49	Sequence 49, Appl
37	26	78.8	38	1	US-08-471-052A-49	Sequence 49, Appl
38	26	78.8	38	1	US-08-189-331-49	Sequence 49, Appl
39	26	78.8	38	1	US-08-471-939-49	Sequence 49, Appl
40	26	78.8	38	1	US-08-471-800-49	Sequence 49, Appl
41	26	78.8	38	1	US-08-471-068-49	Sequence 38, Appl
42	26	78.8	43	1	US-08-340-428B-38	Sequence 38, Appl
43	26	78.8	43	4	PCT-US93-07306-38	Sequence 38, Appl
44	26	78.8	45	1	US-08-766-858A-20	Sequence 20, Appl
45	26	78.8	50	2	US-09-320-528-79	Sequence 79, Appl

ALIGNMENTS

RESULT 1  
US-08-338-383C-3  
; Sequence 3, Application US/08338383C  
; Patent No. 5646246  
; GENERAL INFORMATION:  
; APPLICANT: XU JUN-PING  
; APPLICANT: PETTIT, GEORGE R.  
; TITLE OF INVENTION: ISOLATION AND STRUCTURE ELUCIDATION  
; TITLE OF INVENTION: OF THE HUMAN CANCER CELL GROWTH INHIBITORY CYCLIC  
; TITLE OF INVENTION: PHAKELLISTATIN 4, 5, 6, 7, 8 AND 9  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: RICHARD R. MYBECK  
; STREET: 8010 EAST MORGAN TRAIL, SUITE 10  
; CITY: SCOTTSDALE  
; STATE: ARIZONA  
; COUNTRY: USA  
; ZIP: 85258-1234  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: DOS 5  
; SOFTWARE: Microsoft Word for Windows  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/338,383C  
; FILING DATE: 11/14/94  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Richard R. Mybeck  
; REGISTRATION NUMBER: 17,886  
; REFERENCE/DOCKET NUMBER: 4954  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (602)-483-1285  
; TELEFAX: (602)-483-7452  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7 amino acid residues  
; TYPE: amino acid  
; TOPOLOGY: Cyclic  
; MOLECULE TYPE:  
; DESCRIPTION: Cycloheptapeptide phakellistatin 6  
; HYPOTHETICAL: no  
; ANTI-SENSE: no  
; FRAGMENT TYPE: circular  
; ORIGINAL SOURCE:  
; ORGANISM: Phakellia costata  
; DEVELOPMENTAL STAGE: Whole organism  
; FEATURE:  
; NAME/KEY: Phakellistatin 6  
; IDENTIFICATION METHOD: by experiment using high

IDENTIFICATION METHOD: resolution nuclear magnetic resonance, high  
IDENTIFICATION METHOD: resolution mass spectral analysis, MS/MS  
IDENTIFICATION METHOD: technique and chiral gas chromatography  
OTHER INFORMATION: Phakellistatin 6 cell growth  
OTHER INFORMATION: inhibition : P388(ED50 0.2 mcg/ml),  
OTHER INFORMATION: OVCR-3(GI50 0.02 mcg/ml), SF-295(GI50 0.04 mcg/ml),  
OTHER INFORMATION: A498(GI50 0.08 mcg/ml), NC1- H460(GI50 0.02 mcg/ml),  
OTHER INFORMATION: KM20L2(GI50 0.02 mcg/ml), SF-MEL-5(GI50 0.03 mcg/ml)  
PUBLICATION INFORMATION:  
AUTHORS: PETTIT, GEORGE R.,  
AUTHORS: XU, JUN-PING,  
AUTHORS: CICHACZ, ZBIGNIEW,  
AUTHORS: WILLIAMS, MICHAEL D.,  
AUTHORS: CHAPUIS, JEAN-C.,  
AUTHORS: CERNY, RONALD L.,  
TITLE: Isolation and Structure of Phakellistatin  
TITLE: 6 from a Chuuk Archipelago Marine Sponge  
JOURNAL: Bioorganic & Medicinal Chemistry Letters  
VOLUME: 4  
PAGES: 2677 - 2682  
DATE: 1994  
US-08-338-383C-3

Query Match 84.8%; Score 28; DB 1; Length 7;  
Best Local Similarity 80.0%; Pred. No. 4.6e+05;  
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 WAPIP 5  
Db 2 WLPPI 6

## RESULT 2

US-08-444-618-11  
; Sequence 11, Application US/08444618  
; Patent No. 5574012  
; GENERAL INFORMATION:  
; APPLICANT: Krstenansky, John L  
; APPLICANT: Broersma, Robert J  
; TITLE OF INVENTION: Analogs of Hirudin Having Antiplatelet  
; TITLE OF INVENTION: Activity  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marion Merrell Dow Inc.  
; STREET: 2110 East Galbraith Rd.  
; CITY: Cincinnati P. O. Box 156300  
; STATE: Ohio  
; COUNTRY: USA  
; ZIP: 45215-6300  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/444,618  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/255,846  
; FILING DATE:  
; APPLICATION NUMBER: US 07/714,547  
; FILING DATE: 11-JUN-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Boudreaux, William R  
; REGISTRATION NUMBER: 35,796  
; REFERENCE/DOCKET NUMBER: M01557A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (513) 948-6566  
; TELEFAX: (513) 948-7961  
; TELEX: 214320  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:

LENGTH: 11 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: /note= "Asp at location 1 is  
OTHER INFORMATION: N-substituted with a 4-aminomethylbenzoyl group"  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 10  
OTHER INFORMATION: /note= "Xaa at location 10 is a  
OTHER INFORMATION: cyclohexylalanine"  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 11  
OTHER INFORMATION: /note= "Glu at location 11 is  
OTHER INFORMATION: D-configuration"  
US-08-444-618-11

Query Match 84.8%; Score 28; DB 1; Length 11;  
Best Local Similarity 80.0%; Pred. No. 88;  
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 WAPIP 5  
Db 2 WEPPI 6

## RESULT 3

US-08-444-618-12  
; Sequence 12, Application US/08444618  
; Patent No. 5574012  
; GENERAL INFORMATION:  
; APPLICANT: Krstenansky, John L  
; APPLICANT: Broersma, Robert J  
; TITLE OF INVENTION: Analogs of Hirudin Having Antiplatelet  
; TITLE OF INVENTION: Activity  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Marion Merrell Dow Inc.  
; STREET: 2110 East Galbraith Rd.  
; CITY: Cincinnati P. O. Box 156300  
; STATE: Ohio  
; COUNTRY: USA  
; ZIP: 45215-6300  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/444,618  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/255,846  
; FILING DATE:  
; APPLICATION NUMBER: US 07/714,547  
; FILING DATE: 11-JUN-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Boudreaux, William R  
; REGISTRATION NUMBER: 35,796  
; REFERENCE/DOCKET NUMBER: M01557A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (513) 948-6566  
; TELEFAX: (513) 948-7961  
; TELEX: 214320  
; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
LENGTH: 11 amino acids  
TYPE: amino acid

TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: /note= "Asp at location 1 is  
OTHER INFORMATION: N-substituted with a 4-guanidinomethylbenzoyl  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 10  
OTHER INFORMATION: /note= "Xaa at location 10 is  
OTHER INFORMATION: cyclohexylalanine"  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 11  
OTHER INFORMATION: /note= "Glu at location 11 is  
OTHER INFORMATION: D-configuration"  
US-08-444-618-12

Query Match 84.8%; Score 28; DB 1; Length 11;  
Best Local Similarity 80.0%; Pred. No. 88;  
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
Db 2 WEPIP 6

RESULT 4  
US-08-444-618-13  
Sequence 13, Application US/08444618  
Patent No. 5574012  
GENERAL INFORMATION:  
APPLICANT: Krstenansky, John L  
APPLICANT: Broersma, Robert J  
TITLE OF INVENTION: Analogs of Hirudin Having Antiplatelet  
TITLE OF INVENTION: Activity  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Marion Merrell Dow Inc.  
STREET: 2110 East Galbraith Rd.  
CITY: Cincinnati P. O. Box 156300  
STATE: Ohio  
COUNTRY: USA  
ZIP: 45215-6300  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/444,618  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/255,846  
FILING DATE:  
FILING DATE: 11-JUN-1991  
APPLICATION NUMBER: US 07/714,547  
ATTORNEY/AGENT INFORMATION:  
NAME: Boudreaux, William R  
REGISTRATION NUMBER: 35,796  
REFERENCE/DOCKET NUMBER: M01557A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (513) 948-6566  
TELEFAX: (513) 948-7961  
TELEX: 214320  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11 amino acids  
TYPE: amino acid  
TOPOLOGY: linear

MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 1  
OTHER INFORMATION: /note= "Asp at location 1 is  
OTHER INFORMATION: N-substituted with a 4-aminomethyl group"  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 10  
OTHER INFORMATION: /note= "Xaa at location 10 is  
OTHER INFORMATION: cyclohexylalanine"  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 11  
OTHER INFORMATION: /note= "Glu at location 11 is  
OTHER INFORMATION: D-configuration"  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 3  
OTHER INFORMATION: /note= "Tyr at location 3 is  
OTHER INFORMATION: O-methylated"  
US-08-444-618-13

Query Match 84.8%; Score 28; DB 1; Length 11;  
Best Local Similarity 80.0%; Pred. No. 88;  
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
Db 2 WEPIP 6

RESULT 5  
US-08-444-618-5  
Sequence 5, Application US/08444618  
Patent No. 5574012  
GENERAL INFORMATION:  
APPLICANT: Krstenansky, John L  
APPLICANT: Broersma, Robert J  
TITLE OF INVENTION: Analogs of Hirudin Having Antiplatelet  
TITLE OF INVENTION: Activity  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Marion Merrell Dow Inc.  
STREET: 2110 East Galbraith Rd.  
CITY: Cincinnati P. O. Box 156300  
STATE: Ohio  
COUNTRY: USA  
ZIP: 45215-6300  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/444,618  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/255,846  
FILING DATE:  
APPLICATION NUMBER: US 07/714,547  
FILING DATE: 11-JUN-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Boudreaux, William R  
REGISTRATION NUMBER: 35,796  
REFERENCE/DOCKET NUMBER: M01557A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (513) 948-6566  
TELEFAX: (513) 948-7961  
TELEX: 214320  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:

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; LENGTH: 12 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1
; OTHER INFORMATION: /note= "Gly at location 1 is
; OTHER INFORMATION: substituted on the alpha carbon by a 5-guanadino
; OTHER INFORMATION: pentyl group"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 11
; OTHER INFORMATION: /note= "Xaa at location 11 is a
; OTHER INFORMATION: cyclohexylalanine"
; \
; NAME/KEY: Modified-site
; LOCATION: 12
; OTHER INFORMATION: /note= "Glu at location 12 is
; OTHER INFORMATION: D-configuration"
; US-08-444-618-5
Query Match 84.8%; Score 28; DB 1; Length 12;
Best Local Similarity 80.0%; Pred. No. 95;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 WAPIP 5
Db 3 WEPID 7
RESULT 6
US-08-444-618-7
; Sequence 7, Application US/08444618
; Patent No. 5574012
; GENERAL INFORMATION:
; APPLICANT: Krstenansky, John L
; APPLICANT: Broersma, Robert J
; TITLE OF INVENTION: Analogs of Hirudin Having Antiplatelet
; TITLE OF INVENTION: Activity
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marion Merrell Dow Inc.
; STREET: 2110 East Galbraith Rd.
; CITY: Cincinnati P. O. Box 156300
; STATE: Ohio
; COUNTRY: USA
; ZIP: 45215-6300
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: /US/08/444,618
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/255,846
; FILING DATE:
; APPLICATION NUMBER: US 07/714,547
; FILING DATE: 11-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Boudreaux, William R
; REGISTRATION NUMBER: 35,796
; REFERENCE/DOCKET NUMBER: M01557A
; TELEPHONE: (513) 948-6566
; TELEFAX: (513) 948-7961
; TELEX: 214320
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
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; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 12
; OTHER INFORMATION: /note= "Xaa at location 12 is a
; OTHER INFORMATION: cyclohexylalanine"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 13
; OTHER INFORMATION: /note= "Glu at location 13 is
; OTHER INFORMATION: D-configuration"
; US-08-444-618-7
Query Match 84.8%; Score 28; DB 1; Length 13;
Best Local Similarity 80.0%; Pred. No. 1e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 WAPIP 5
Db 4 WEPID 8
RESULT 7
US-09-403-343B-13
; Sequence 13, Application US/09403343B
; Patent No. 6555091
; GENERAL INFORMATION:
; APPLICANT: JOLIVET-REYNAUD, COLETTE
; APPLICANT: PERRON, HERVE
; APPLICANT: MANDRAND, BERNARD
; TITLE OF INVENTION: POLYPEPTIDE CAPABLE OF REACTING WITH ANTIBODIES OF
; TITLE OF INVENTION: PATIENTS SUFFERING FROM MULTIPLE SCLEROSIS AND USBS
; FILE REFERENCE: 104574
; CURRENT APPLICATION NUMBER: US/09/403,343B
; CURRENT FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: FR/97/05679
; PRIOR FILING DATE: 1997-04-29
; PRIOR APPLICATION NUMBER: FR/97/16870
; PRIOR FILING DATE: 1997-12-31
; PRIOR APPLICATION NUMBER: PCT/FR98/00870
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 15
; TYPE: PRT
; ORGANISM: MSRV
; US-09-403-343B-13
Query Match 84.8%; Score 28; DB 2; Length 15;
Best Local Similarity 60.0%; Pred. No. 1.2e+02;
Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1 WAPIP 5
Db 11 WCPVP 15
RESULT 8
US-08-622-753A-2
; Sequence 2, Application US/08622753A
; Patent No. 5856159
; GENERAL INFORMATION:
; APPLICANT: Perez, Carl
; TITLE OF INVENTION: PRODUCTION OF GALACTOSYLTRANSFERASE
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
```

; COUNTRY: USA  
; ZIP: 92037  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/622,753A  
; FILING DATE: 27-MAR-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Haile, Lisa A.  
; REGISTRATION NUMBER: 38,347  
; REFERENCE/DOCKET NUMBER: 07489/003001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 619/678-5070  
; TELEFAX: 619/678-5099  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 38 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-622-753A-2  
  
Query Match 84.8%; Score 28; DB 1; Length 38;  
Best Local Similarity 80.0%; Pred. No. 2.9e+02;  
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
Db 17 WAPAP 21

RESULT 9  
US-08-622-753A-4  
; Sequence 4, Application US/08622753A  
; Patent No. 5856159  
; GENERAL INFORMATION:  
; APPLICANT: Perez, Carl  
; TITLE OF INVENTION: PRODUCTION OF GALACTOSYLTRANSFERASE  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 4225 Executive Square, Suite 1400  
; CITY: La Jolla  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 92037  
; COMPUTER READABLE FORM:  
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; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/622,753A  
; FILING DATE: 27-MAR-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Haile, Lisa A.  
; REGISTRATION NUMBER: 38,347  
; REFERENCE/DOCKET NUMBER: 07489/003001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 619/678-5070  
; TELEFAX: 619/678-5099  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 38 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-622-753A-4

Query Match 84.8%; Score 28; DB 1; Length 38;  
Best Local Similarity 80.0%; Pred. No. 2.9e+02;  
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
Db 17 WAPAP 21

RESULT 10  
US-08-622-753A-6  
; Sequence 6, Application US/08622753A  
; Patent No. 5856159  
; GENERAL INFORMATION:  
; APPLICANT: Perez, Carl  
; TITLE OF INVENTION: PRODUCTION OF GALACTOSYLTRANSFERASE  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 4225 Executive Square, Suite 1400  
; CITY: La Jolla  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 92037  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/622,753A  
; FILING DATE: 27-MAR-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Haile, Lisa A.  
; REGISTRATION NUMBER: 38,347  
; REFERENCE/DOCKET NUMBER: 07489/003001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 619/678-5070  
; TELEFAX: 619/678-5099  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 38 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-622-753A-6

Query Match 84.8%; Score 28; DB 1; Length 38;  
Best Local Similarity 80.0%; Pred. No. 2.9e+02;  
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
Db 17 WAPAP 21

RESULT 11  
US-08-622-753A-8  
; Sequence 8, Application US/08622753A  
; Patent No. 5856159  
; GENERAL INFORMATION:  
; APPLICANT: Perez, Carl  
; TITLE OF INVENTION: PRODUCTION OF GALACTOSYLTRANSFERASE  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 4225 Executive Square, Suite 1400  
; CITY: La Jolla  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 92037

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/622,753A
; FILING DATE: 27-MAR-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07489/003001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-622-753A-8

```

```

Query Match      84.8%; Score 28; DB 1; Length 38;
Best Local Similarity 80.0%; Pred. No. 2.9e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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```

Qy      1 WAPIP 5
Db      17 WAPAP 21

```

## RESULT 12

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US-09-716-129-111
; Sequence 111, Application US/09716129
; Patent No. 6632920
; GENERAL INFORMATION:
; TITLE OF INVENTION: 36 Human Secreted Proteins
; FILE REFERENCE: P2025P1
; CURRENT APPLICATION NUMBER: US/09/716,129
; CURRENT FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/076,053
; PRIOR FILING DATE: 1998-02-26
; PRIOR APPLICATION NUMBER: 60/076,057
; PRIOR FILING DATE: 1998-02-26
; PRIOR APPLICATION NUMBER: 60/076,052
; PRIOR FILING DATE: 1998-02-26
; PRIOR APPLICATION NUMBER: 60/076,054
; PRIOR FILING DATE: 1998-02-26
; PRIOR APPLICATION NUMBER: 60/076,051
; PRIOR FILING DATE: 1998-02-26
; NUMBER OF SEQ ID NOS: 186
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 111
; LENGTH: 40
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-716-129-111

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```

Query Match      84.8%; Score 28; DB 2; Length 40;
Best Local Similarity 80.0%; Pred. No. 3e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

Qy      1 WAPIP 5
Db      27 WAPAP 31

```

## RESULT 13

```

US-09-284-819-4
; Sequence 4, Application US/09284819

```

```

; Patent No. 6365712
; GENERAL INFORMATION:
; APPLICANT: Kelly, Kathleen
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Methods and Compositions for Inhibiting Inflammation
; TITLE OF INVENTION: and Angiogenesis Comprising a Mammalian CD97 Alpha
; TITLE OF INVENTION: Subunit
; FILE REFERENCE: 015280-263100US
; CURRENT APPLICATION NUMBER: US/09/284,819
; CURRENT FILING DATE: 1999-08-20
; EARLIER APPLICATION NUMBER: US 60/027,871
; EARLIER FILING DATE: 1996-10-25
; EARLIER APPLICATION NUMBER: WO PCT/US97/19772
; EARLIER FILING DATE: 1997-10-24
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:EGF-4 EGF-like
; OTHER INFORMATION: repeat conserved motif
; US-09-284-819-4

```

```

Query Match      84.8%; Score 28; DB 2; Length 49;
Best Local Similarity 80.0%; Pred. No. 3.7e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

Qy      1 WAPIP 5
Db      33 WQPIP 37

```

## RESULT 14

```

US-10-059-506-4
; Sequence 4, Application US/10059506
; Patent No. 6846911
; GENERAL INFORMATION:
; APPLICANT: Kelly, Kathleen
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Methods and Compositions for Inhibiting Inflammation
; TITLE OF INVENTION: and Angiogenesis Comprising a Mammalian CD97 Alpha
; TITLE OF INVENTION: Subunit
; FILE REFERENCE: 015280-263100US
; CURRENT APPLICATION NUMBER: US/10/059,506
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: APPLICATION NUMBER: US/09/284,819
; PRIOR FILING DATE: FILING DATE: 1999-08-20
; PRIOR APPLICATION NUMBER: APPLICATION NUMBER: US 60/027,871
; PRIOR FILING DATE: FILING DATE: 1996-10-25
; PRIOR APPLICATION NUMBER: APPLICATION NUMBER: WO PCT/US97/19772
; PRIOR FILING DATE: FILING DATE: 1997-10-24
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:EGF-4 EGF-like
; OTHER INFORMATION: repeat conserved motif
; US-10-059-506-4

```

```

Query Match      84.8%; Score 28; DB 2; Length 49;
Best Local Similarity 80.0%; Pred. No. 3.7e+02;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

Qy      1 WAPIP 5

```

Db 33 WQIP 37

RESULT 15  
US-08-776-059-56  
; Sequence 56, Application US/08776059B  
; Patent No. 6271368  
; GENERAL INFORMATION:  
; APPLICANT: LENTZEN, Hans  
; APPLICANT: ECK, Jurgen  
; APPLICANT: BAUR, Axel  
; APPLICANT: ZINKE, Holger  
; TITLE OF INVENTION: RECOMBINANT MISTLETOE LECTIN (RML)  
; FILE REFERENCE: 674503-2003  
; CURRENT APPLICATION NUMBER: US/08/776.059B  
; CURRENT FILING DATE: 1999-06-19  
; EARLIER APPLICATION NUMBER: PCT/EP96/02273  
; EARLIER FILING DATE: 1996-06-25  
; EARLIER APPLICATION NUMBER: 95109949.8  
; EARLIER FILING DATE: 1995-06-26  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 56  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Spodoptera frugiperda  
US-08-776-059-56

Query Match 81.8%; Score 27; DB 2; Length 6;  
Best Local Similarity 60.0%; Pred. No. 4.6e+05;  
Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 WAPIP 5  
Db 2 WLPVP 6

Search completed: May 12, 2006, 18:10:22  
Job time : 46 secs

GenCore version 5.1.8  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: May 17, 2006, 11:35:14 ; Search time 65 Seconds  
(without alignments)  
35.632 Million cell updates/sec

Title: US-10-714-564A-2

Perfect score: 33

Sequence: 1 WAPIP 5

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 98

Minimum DB seq length: 0

Maximum DB seq length: 50

Post-processing: Minimum Match 100%

Maximum Match 100%

Listing first 500 summaries

Database : Published Applications AA Main.\*

1: /EMC\_Celerra\_SID33/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*  
2: /EMC\_Celerra\_SID33/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*  
3: /EMC\_Celerra\_SID33/ptodata/2/pubpaa/US09\_PUBCOMB.pep.\*  
4: /EMC\_Celerra\_SID33/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*  
5: /EMC\_Celerra\_SID33/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*  
6: /EMC\_Celerra\_SID33/ptodata/2/pubpaa/US11\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	33	100.0	5	4	US-10-714-564A-2
2	33	100.0	5	4	US-10-714-564A-177
3	33	100.0	6	4	US-10-714-564A-178
4	33	100.0	7	4	US-10-714-564A-173
5	33	100.0	7	4	US-10-714-564A-179
6	33	100.0	7	4	US-10-714-564A-184
7	33	100.0	7	4	US-10-714-564A-1026
8	33	100.0	7	4	US-10-714-564A-1084
9	33	100.0	7	4	US-10-714-564A-1142
10	33	100.0	7	4	US-10-714-564A-1200
11	33	100.0	7	4	US-10-714-564A-1258
12	33	100.0	8	4	US-10-714-564A-174
13	33	100.0	8	4	US-10-714-564A-180
14	33	100.0	8	4	US-10-714-564A-182
15	33	100.0	8	4	US-10-714-564A-183
16	33	100.0	8	4	US-10-714-564A-186
17	33	100.0	8	4	US-10-714-564A-1027
18	33	100.0	8	4	US-10-714-564A-1027
19	33	100.0	8	4	US-10-714-564A-1085
20	33	100.0	8	4	US-10-714-564A-1136
21	33	100.0	8	4	US-10-714-564A-1143
22	33	100.0	8	4	US-10-714-564A-1194
23	33	100.0	8	4	US-10-714-564A-1201
24	33	100.0	8	4	US-10-714-564A-1252
25	33	100.0	8	4	US-10-714-564A-1259
26	33	100.0	8	4	US-10-714-564A-1335
27	33	100.0	8	4	US-10-714-564A-1345

Sequence 1346, Ap  
Sequence 175, App  
Sequence 181, App  
Sequence 185, App  
Sequence 1021, Ap  
Sequence 1028, Ap  
Sequence 1033, Ap  
Sequence 1079, Ap  
Sequence 1086, Ap  
Sequence 1091, Ap  
Sequence 1137, Ap  
Sequence 1144, Ap  
Sequence 1149, Ap  
Sequence 1195, Ap  
Sequence 1202, Ap  
Sequence 1207, Ap  
Sequence 1253, Ap  
Sequence 1260, Ap  
Sequence 1265, Ap  
Sequence 1337, Ap  
Sequence 1344, Ap  
Sequence 1022, Ap  
Sequence 1029, Ap  
Sequence 1031, Ap  
Sequence 1032, Ap  
Sequence 1035, Ap  
Sequence 1080, Ap  
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Sequence 1138, Ap  
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Sequence 1147, Ap  
Sequence 1148, Ap  
Sequence 1151, Ap  
Sequence 1196, Ap  
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Sequence 1205, Ap  
Sequence 1206, Ap  
Sequence 1209, Ap  
Sequence 1254, Ap  
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Sequence 1263, Ap  
Sequence 1264, Ap  
Sequence 1267, Ap  
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Sequence 1343, Ap  
Sequence 1023, Ap  
Sequence 1030, Ap  
Sequence 1034, Ap  
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Sequence 1088, Ap  
Sequence 1092, Ap  
Sequence 1139, Ap  
Sequence 1146, Ap  
Sequence 1150, Ap  
Sequence 1197, Ap  
Sequence 1204, Ap  
Sequence 1208, Ap  
Sequence 1255, Ap  
Sequence 1262, Ap  
Sequence 1266, Ap  
Sequence 1338, Ap  
Sequence 1342, Ap  
Sequence 1347, Ap  
Sequence 1350, Ap  
Sequence 1351, Ap  
Sequence 166298,  
Sequence 229012,  
Sequence 346185,

## ALIGNMENTS

RESULT 1  
 US-10-714-564A-2  
 ; Sequence 2, Application US/10714564A  
 ; Publication No. US20040175361A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Blaschuk, Orest W.  
 ; APPLICANT: Michaud, Stephanie D.  
 ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
 ; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
 ; FILE REFERENCE: 100086.418  
 ; CURRENT APPLICATION NUMBER: US/10/714,564A  
 ; CURRENT FILING DATE: 2003-11-14  
 ; NUMBER OF SEQ ID NOS: 1402  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 2  
 ; LENGTH: 5  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Trp-containing CAR sequence  
 US-10-714-564A-2

Query Match 100.0%; Score 33; DB 4; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 1.9e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
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 Db 1 WAPIP 5

RESULT 2  
 US-10-714-564A-177  
 ; Sequence 177, Application US/10714564A  
 ; Publication No. US20040175361A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Blaschuk, Orest W.  
 ; APPLICANT: Michaud, Stephanie D.  
 ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
 ; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
 ; FILE REFERENCE: 100086.418  
 ; CURRENT APPLICATION NUMBER: US/10/714,564A  
 ; CURRENT FILING DATE: 2003-11-14  
 ; NUMBER OF SEQ ID NOS: 1402  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 177  
 ; LENGTH: 5  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Exemplary desmosomal Trp-containing CAR sequence  
 US-10-714-564A-177

Query Match 100.0%; Score 33; DB 4; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 1.9e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 1 WAPIP 5

RESULT 3  
 US-10-714-564A-178  
 ; Sequence 178, Application US/10714564A  
 ; Publication No. US20040175361A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Blaschuk, Orest W.  
 ; APPLICANT: Michaud, Stephanie D.  
 ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING

; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
 ; FILE REFERENCE: 100086.418  
 ; CURRENT APPLICATION NUMBER: US/10/714,564A  
 ; CURRENT FILING DATE: 2003-11-14  
 ; NUMBER OF SEQ ID NOS: 1402  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 178  
 ; LENGTH: 6  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Exemplary desmosomal Trp-containing CAR sequence  
 US-10-714-564A-178

Query Match 100.0%; Score 33; DB 4; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 1.9e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 1 WAPIP 5

RESULT 4  
 US-10-714-564A-173  
 ; Sequence 173, Application US/10714564A  
 ; Publication No. US20040175361A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Blaschuk, Orest W.  
 ; APPLICANT: Michaud, Stephanie D.  
 ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
 ; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
 ; FILE REFERENCE: 100086.418  
 ; CURRENT APPLICATION NUMBER: US/10/714,564A  
 ; CURRENT FILING DATE: 2003-11-14  
 ; NUMBER OF SEQ ID NOS: 1402  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 173  
 ; LENGTH: 7  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Exemplary desmosomal Trp-containing CAR sequence  
 US-10-714-564A-173

Query Match 100.0%; Score 33; DB 4; Length 7;  
 Best Local Similarity 100.0%; Pred. No. 1.9e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6

RESULT 5  
 US-10-714-564A-179  
 ; Sequence 179, Application US/10714564A  
 ; Publication No. US20040175361A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Blaschuk, Orest W.  
 ; APPLICANT: Michaud, Stephanie D.  
 ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
 ; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
 ; FILE REFERENCE: 100086.418  
 ; CURRENT APPLICATION NUMBER: US/10/714,564A  
 ; CURRENT FILING DATE: 2003-11-14  
 ; NUMBER OF SEQ ID NOS: 1402  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 179  
 ; LENGTH: 7  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:

```
; OTHER INFORMATION: Exemplary desmosomal Trp-containing CAR sequence
US-10-714-564A-179

Query Match      100.0%; Score 33; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5
Db 1 WAPIP 5

RESULT 6
US-10-714-564A-184
; Sequence 184, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714.564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 184
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary desmosomal Trp-containing CAR sequence
US-10-714-564A-184

Query Match      100.0%; Score 33; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5
Db 1 WAPIP 5

RESULT 7
US-10-714-564A-1026
; Sequence 1026, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714.564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1026
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1026

Query Match      100.0%; Score 33; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5
Db 2 WAPIP 6

RESULT 8
US-10-714-564A-1084
; Sequence 1084, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714.564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1084
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1084

Query Match      100.0%; Score 33; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5
Db 2 WAPIP 6

RESULT 9
US-10-714-564A-1142
; Sequence 1142, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714.564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1142
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1142

Query Match      100.0%; Score 33; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5
Db 2 WAPIP 6

RESULT 10
US-10-714-564A-1200
; Sequence 1200, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
```

```
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1200
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1200
```

```
Query Match      100.0%; Score 33; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 WAPIP 5
        |||||
Db       2 WAPIP 6
```

```
RESULT 11
US-10-714-564A-1258
; Sequence 1258, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1258
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1258
```

```
Query Match      100.0%; Score 33; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 WAPIP 5
        |||||
Db       2 WAPIP 6
```

```
RESULT 12
US-10-714-564A-174
; Sequence 174, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 174
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary desmosomal Trp-containing CAR sequence
US-10-714-564A-174
```

```
Query Match      100.0%; Score 33; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 WAPIP 5
        |||||
Db       2 WAPIP 6
```

```
RESULT 13
US-10-714-564A-180
; Sequence 180, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 180
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary desmosomal Trp-containing CAR sequence
US-10-714-564A-180
```

```
Query Match      100.0%; Score 33; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 WAPIP 5
        |||||
Db       1 WAPIP 5
```

```
RESULT 14
US-10-714-564A-182
; Sequence 182, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 182
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary desmosomal Trp-containing CAR sequence
US-10-714-564A-182
```

```
Query Match      100.0%; Score 33; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 WAPIP 5
        |||||
Db       1 WAPIP 5
```

RESULT 15

```
US-10-714-564A-183
; Sequence 183, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714.564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 183
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary desmosomal Trp-containing CAR sequence
US-10-714-564A-183

Query Match      100.0%; Score 33; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5
Db 2 WAPIP 6

RESULT 16
US-10-714-564A-186
; Sequence 186, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714.564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 186
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary desmosomal Trp-containing CAR sequence
US-10-714-564A-186

Query Match      100.0%; Score 33; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5
Db 1 WAPIP 5

RESULT 17
US-10-714-564A-1020
; Sequence 1020, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714.564A
; CURRENT FILING DATE: 2003-11-14
```

```
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1020
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1020

Query Match      100.0%; Score 33; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5
Db 3 WAPIP 7

RESULT 18
US-10-714-564A-1027
; Sequence 1027, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714.564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1027
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1027

Query Match      100.0%; Score 33; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5
Db 2 WAPIP 6

RESULT 19
US-10-714-564A-1085
; Sequence 1085, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714.564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1085
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1085

Query Match      100.0%; Score 33; DB 4; Length 8;
```

Best Local Similarity 100.0%; Pred. No. 1.9e+06; Mismatches 0; Indels 0; Gaps 0;  
Matches 5; Conservative 0;

Qy 1 WAPIP 5  
      |||||  
Db 2 WAPIP 6

## RESULT 20

US-10-714-564A-1136  
; Sequence 1136, Application US/10714564A  
; Publication No. US20040175361A1  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Michaud, Stephanie D.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
; FILE REFERENCE: 100086.418  
; CURRENT APPLICATION NUMBER: US/10/714,564A  
; CURRENT FILING DATE: 2003-11-14  
; NUMBER OF SEQ ID NOS: 1402  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1136  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Exemplary cyclic peptide  
US-10-714-564A-1136

Query Match 100.0%; Score 33; DB 4; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.9e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
      |||||  
Db 3 WAPIP 7

## RESULT 21

US-10-714-564A-1143  
; Sequence 1143, Application US/10714564A  
; Publication No. US20040175361A1  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Michaud, Stephanie D.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
; FILE REFERENCE: 100086.418  
; CURRENT APPLICATION NUMBER: US/10/714,564A  
; CURRENT FILING DATE: 2003-11-14  
; NUMBER OF SEQ ID NOS: 1402  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1143  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Exemplary cyclic peptide  
US-10-714-564A-1143

Query Match 100.0%; Score 33; DB 4; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.9e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
      |||||  
Db 2 WAPIP 6

## RESULT 22

US-10-714-564A-1194  
; Sequence 1194, Application US/10714564A

Publication No. US20040175361A1  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Michaud, Stephanie D.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
; FILE REFERENCE: 100086.418  
; CURRENT APPLICATION NUMBER: US/10/714,564A  
; CURRENT FILING DATE: 2003-11-14  
; NUMBER OF SEQ ID NOS: 1402  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1194  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Exemplary cyclic peptide  
US-10-714-564A-1194

Query Match 100.0%; Score 33; DB 4; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.9e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
      |||||  
Db 3 WAPIP 7

## RESULT 23

US-10-714-564A-1201  
; Sequence 1201, Application US/10714564A  
; Publication No. US20040175361A1  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Michaud, Stephanie D.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
; FILE REFERENCE: 100086.418  
; CURRENT APPLICATION NUMBER: US/10/714,564A  
; CURRENT FILING DATE: 2003-11-14  
; NUMBER OF SEQ ID NOS: 1402  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 1201  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Exemplary cyclic peptide  
US-10-714-564A-1201

Query Match 100.0%; Score 33; DB 4; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.9e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
      |||||  
Db 2 WAPIP 6

## RESULT 24

US-10-714-564A-1252  
; Sequence 1252, Application US/10714564A  
; Publication No. US20040175361A1  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Michaud, Stephanie D.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
; FILE REFERENCE: 100086.418  
; CURRENT APPLICATION NUMBER: US/10/714,564A  
; CURRENT FILING DATE: 2003-11-14  
; NUMBER OF SEQ ID NOS: 1402  
; SOFTWARE: FastSEQ for Windows Version 4.0

```
; SEQ ID NO 1252
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1252

Query Match      100.0%; Score 33; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      3 WAPIP 7

RESULT 25
US-10-714-564A-1259
; Sequence 1259, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1259
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1259

Query Match      100.0%; Score 33; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      3 WAPIP 7

RESULT 26
US-10-714-564A-1335
; Sequence 1335, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1335
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Peptide used in cyclization
US-10-714-564A-1335

Query Match      100.0%; Score 33; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 WAPIP 5
      |||||
Db      3 WAPIP 7

RESULT 27
US-10-714-564A-1345
; Sequence 1345, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1345
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Peptide used in cyclization
US-10-714-564A-1345

Query Match      100.0%; Score 33; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      2 WAPIP 6

RESULT 28
US-10-714-564A-1346
; Sequence 1346, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1346
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Peptide used in cyclization
US-10-714-564A-1346

Query Match      100.0%; Score 33; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      3 WAPIP 7

RESULT 29
US-10-714-564A-175
; Sequence 175, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 175
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary desmosomal Trp-containing CAR sequence
US-10-714-564A-175

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WAPIP 5
        |||||
Db       2 WAPIP 6

RESULT 30
US-10-714-564A-181
; Sequence 181, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 181
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary desmosomal Trp-containing CAR sequence
US-10-714-564A-181

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WAPIP 5
        |||||
Db       2 WAPIP 6

RESULT 31
US-10-714-564A-185
; Sequence 185, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 185
; LENGTH: 9
```

```
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary desmosomal Trp-containing CAR sequence
US-10-714-564A-185

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WAPIP 5
        |||||
Db       2 WAPIP 6

RESULT 32
US-10-714-564A-1021
; Sequence 1021, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1021
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1021

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WAPIP 5
        |||||
Db       3 WAPIP 7

RESULT 33
US-10-714-564A-1028
; Sequence 1028, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1028
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1028

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WAPIP 5
        |||||
Db       3 WAPIP 7
```

```

; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1086
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1086

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      2 WAPIP 6

RESULT 37
US-10-714-564A-1091
; Sequence 1091, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1091
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1091

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      2 WAPIP 6

RESULT 38
US-10-714-564A-1137
; Sequence 1137, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1137
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1079

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 36
US-10-714-564A-1086
; Sequence 1086, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1079
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1033

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      2 WAPIP 6

RESULT 35
US-10-714-564A-1079
; Sequence 1079, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1079
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1033

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      2 WAPIP 6

RESULT 34
US-10-714-564A-1033
; Sequence 1033, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1033
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1033
```

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; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1137

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
        |||||
Db      3 WAPIP 7

RESULT 39
US-10-714-564A-1144
; Sequence 1144, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1144
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1144

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
        |||||
Db      2 WAPIP 6

RESULT 40
US-10-714-564A-1149
; Sequence 1149, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1149
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1149

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
        |||||
Db      2 WAPIP 6

RESULT 41
US-10-714-564A-1195
; Sequence 1195, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1195
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1195

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
        |||||
Db      3 WAPIP 7

RESULT 42
US-10-714-564A-1202
; Sequence 1202, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1202
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1202

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
        |||||
Db      3 WAPIP 7

RESULT 43
US-10-714-564A-1207
; Sequence 1207, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
```

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; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1207
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1260

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      2 WAPIP 6

RESULT 46
US-10-714-564A-1265
; Sequence 1265, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1285
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1265

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      2 WAPIP 6

RESULT 47
US-10-714-564A-1337
; Sequence 1337, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1337
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Peptide used in cyclization
US-10-714-564A-1337

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 45
US-10-714-564A-1260
; Sequence 1260, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1260
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1253

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 44
US-10-714-564A-1253
; Sequence 1253, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1253
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1253
```

```
RESULT 48
US-10-714-564A-1344
; Sequence 1344, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1344
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Peptide used in cyclization
; NAME/KEY: MOD_RES
; LOCATION: 2
; OTHER INFORMATION: Xaa = beta,beta-pentamethylene cysteine
US-10-714-564A-1344

Query Match      100.0%; Score 33; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      4 WAPIP 8

RESULT 49
US-10-714-564A-1022
; Sequence 1022, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1022
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1022

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 50
US-10-714-564A-1029
; Sequence 1029, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
```

```
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1029
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1029

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      2 WAPIP 6

RESULT 51
US-10-714-564A-1031
; Sequence 1031, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1031
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1031

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      2 WAPIP 6

RESULT 52
US-10-714-564A-1032
; Sequence 1032, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1032
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1032

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      3 WAPIP 7

RESULT 53
US-10-714-564A-1035
; Sequence 1035, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1035
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1035

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      2 WAPIP 6

RESULT 54
US-10-714-564A-1080
; Sequence 1080, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1080
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1080

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      3 WAPIP 7

RESULT 55
US-10-714-564A-1087
; Sequence 1087, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1087
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1087

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      2 WAPIP 6

RESULT 56
US-10-714-564A-1089
; Sequence 1089, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1089
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1089

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      2 WAPIP 6

RESULT 57
US-10-714-564A-1090
; Sequence 1090, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
```

```
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1090
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1090

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 58
US-10-714-564A-1093
; Sequence 1093, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1093
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1093

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 59
US-10-714-564A-1138
; Sequence 1138, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1138
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1138

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      2 WAPIP 6

RESULT 60
US-10-714-564A-1145
; Sequence 1145, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1145
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1145

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      2 WAPIP 6

RESULT 61
US-10-714-564A-1147
; Sequence 1147, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1147
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1147

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      2 WAPIP 6
```

```
RESULT 62
US-10-714-564A-1148
; Sequence 1148, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1148
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1148

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      3 WAPIP 7

RESULT 63
US-10-714-564A-1151
; Sequence 1151, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1151
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1151

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      3 WAPIP 7

RESULT 64
US-10-714-564A-1196
; Sequence 1196, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1205
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1205

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      2 WAPIP 6

RESULT 65
US-10-714-564A-1203
; Sequence 1203, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1203
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1203

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      2 WAPIP 6

RESULT 66
US-10-714-564A-1205
; Sequence 1205, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1205
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1205
```

```
Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Gaps 0;

Qy      1 WAPIP 5
Db      2 WAPIP 6

RESULT 67
US-10-714-564A-1206
; Sequence 1206, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1206
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1206

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 68
US-10-714-564A-1209
; Sequence 1209, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1209
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1209

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 69
US-10-714-564A-1254
; Sequence 1254, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1254
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1254

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 70
US-10-714-564A-1261
; Sequence 1261, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1261
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1261

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Gaps 0;

Qy      1 WAPIP 5
Db      2 WAPIP 6

RESULT 71
US-10-714-564A-1263
; Sequence 1263, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
```

```
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1263
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1263

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WAPIP 5
DB      2 WAPIP 6

RESULT 72
US-10-714-564A-1264
; Sequence 1264, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1264
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1264

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WAPIP 5
DB      2 WAPIP 6

RESULT 73
US-10-714-564A-1267
; Sequence 1267, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1267
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1267

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WAPIP 5
DB      3 WAPIP 7

RESULT 74
US-10-714-564A-1341
; Sequence 1341, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1341
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Peptide used in cyclization
US-10-714-564A-1341

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WAPIP 5
DB      3 WAPIP 7

RESULT 75
US-10-714-564A-1343
; Sequence 1343, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1343
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Peptide used in cyclization
; NAME/KEY: MOD_RES
; LOCATION: 2
; OTHER INFORMATION: Xaa = beta,beta-tetramethylene cysteine
US-10-714-564A-1343

Query Match      100.0%; Score 33; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WAPIP 5
DB      4 WAPIP 8
```

```
RESULT 76
US-10-714-564A-1023
; Sequence 1023, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714.564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1023
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1023

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WAPIP 5
        |||||
Db      3 WAPIP 7

RESULT 77
US-10-714-564A-1030
; Sequence 1030, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714.564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1030
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1030

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WAPIP 5
        |||||
Db      3 WAPIP 7

RESULT 78
US-10-714-564A-1034
; Sequence 1034, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714.564A
```

```
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1034
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1034

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WAPIP 5
        |||||
Db      3 WAPIP 7

RESULT 79
US-10-714-564A-1081
; Sequence 1081, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714.564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1081
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1081

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 WAPIP 5
        |||||
Db      3 WAPIP 7

RESULT 80
US-10-714-564A-1088
; Sequence 1088, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714.564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1088
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1088
```

```
Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 81
US-10-714-564A-1092
; Sequence 1092, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1092
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1092

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 82
US-10-714-564A-1139
; Sequence 1139, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1139
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1139

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 83
US-10-714-564A-1146
; Sequence 1146, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1146
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1146

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 84
US-10-714-564A-1150
; Sequence 1150, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1150
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1150

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 85
US-10-714-564A-1197
; Sequence 1197, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
```

```
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1197
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1197

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      3 WAPIP 7

RESULT 86
US-10-714-564A-1204
; Sequence 1204, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1204
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1204

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      3 WAPIP 7

RESULT 87
US-10-714-564A-1208
; Sequence 1208, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1208
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1208

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      3 WAPIP 7

RESULT 88
US-10-714-564A-1255
; Sequence 1255, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1255
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1255

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      3 WAPIP 7

RESULT 89
US-10-714-564A-1262
; Sequence 1262, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1262
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1262

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
      |||||
Db      3 WAPIP 7

RESULT 90
US-10-714-564A-1266
; Sequence 1266, Application US/10714564A
; Publication No. US20040175361A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1266
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-1266

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 91
US-10-714-564A-1338
; Sequence 1338, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1338
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Peptide used in cyclization
US-10-714-564A-1338

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 92
US-10-714-564A-1342
; Sequence 1342, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1342

Query Match      100.0%; Score 33; DB 4; Length 11;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 93
US-10-714-564A-1317
; Sequence 1317, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1317
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Trp-containing CAR sequence in the cyclic peptides
; OTHER INFORMATION: that may be linked in tandem.
US-10-714-564A-1317

Query Match      100.0%; Score 33; DB 4; Length 14;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 WAPIP 5
Db      3 WAPIP 7

RESULT 94
US-10-714-564A-1320
; Sequence 1320, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Michaud, Stephanie D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS
; FILE REFERENCE: 100086.418
; CURRENT APPLICATION NUMBER: US/10/714,564A
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1320
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Trp-containing CAR sequence in the cyclic peptides
; OTHER INFORMATION: that may be linked in tandem.
US-10-714-564A-1320

Query Match      100.0%; Score 33; DB 4; Length 14;
Best Local Similarity 100.0%; Pred. No. 97;
```

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
|  
|  
|  
|  
Db 3 WAPIP 7

## RESULT 95

US-10-714-564A-1321  
; Sequence 1321, Application US/10714564A  
; Publication No. US20040175361A1  
; GENERAL INFORMATION:  
; APPLICANT: Blaschuk, Orest W.  
; APPLICANT: Michaud, Stephanie D.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING  
; TITLE OF INVENTION: FUNCTIONS OF NONCLASSICAL CADHERINS  
; FILE REFERENCE: 100086.418  
; CURRENT APPLICATION NUMBER: US/10/714,564A  
; CURRENT FILING DATE: 2003-11-14  
; NUMBER OF SEQ ID NOS: 1402  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1321  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Trp-containing CAR sequence in the cyclic peptides  
; OTHER INFORMATION: that may be linked in tandem.  
US-10-714-564A-1321

Query Match 100.0%; Score 33; DB 4; Length 14;  
Best Local Similarity 100.0%; Pred. No. 97;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
|  
|  
|  
|  
Db 9 WAPIP 13

## RESULT 96

US-10-437-963-166298  
; Sequence 166298, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 166298  
; LENGTH: 40  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(40)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_6501C.1.pap  
US-10-437-963-166298

Query Match 100.0%; Score 33; DB 4; Length 40;  
Best Local Similarity 100.0%; Pred. No. 2.3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
|  
|  
|  
|  
Db 21 WAPIP 25

## RESULT 97

US-10-424-599-229012  
; Sequence 229012, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 229012  
; LENGTH: 41  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_48824C.1.pap  
US-10-424-599-229012

Query Match 100.0%; Score 33; DB 4; Length 41;  
Best Local Similarity 100.0%; Pred. No. 2.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
|  
|  
|  
|  
Db 21 WAPIP 25

## RESULT 98

US-10-425-115-346185  
; Sequence 346185, Application US/10425115  
; Publication No. US20040214272A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 346185  
; LENGTH: 46  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_78887C.1.pap  
US-10-425-115-346185

Query Match 100.0%; Score 33; DB 4; Length 46;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
|  
|  
|  
|  
Db 15 WAPIP 19

Search completed: May 17, 2006, 11:39:39  
Job time : 65 secs

GenCore version 5.1.8  
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OM protein - protein search, using sw model

Run on: May 12, 2006, 18:10:38 ; Search time 27 Seconds  
(without alignments)  
8.694 Million cell updates/sec

Title: US-10-714-564A-2

Perfect score: 33

Sequence: 1 WAPIP 5

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 250354 seqs, 4694837 residues

Total number of hits satisfying chosen parameters: 112899

Minimum DB seq length: 0

Maximum DB seq length: 50

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA New:

- 1: /SID55/ptodata/2/pubpaa/US08\_NEW\_PUB.pep1.\*
- 2: /SID55/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
- 3: /SID55/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*
- 4: /SID55/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
- 5: /SID55/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 6: /SID55/ptodata/2/pubpaa/US05\_NEW\_PUB.pep.\*
- 7: /SID55/ptodata/2/pubpaa/US09\_NEW\_PUB.pep1.\*
- 8: /SID55/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 9: /SID55/ptodata/2/pubpaa/US11\_NEW\_PUB.pep1.\*
- 10: /SID55/ptodata/2/pubpaa/US11\_NEW\_PUB.pep1.\*
- 11: /SID55/ptodata/2/pubpaa/US11\_NEW\_PUB.pep1.\*
- 12: /SID55/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	28	84.8	8	9	US-10-530-061-337
2	28	84.8	10	9	US-10-530-061-356
3	28	84.8	15	9	US-10-530-061-1985
4	28	84.8	15	9	US-10-530-061-1986
5	28	84.8	15	9	US-10-530-061-1987
6	28	84.8	15	9	US-10-530-061-1988
7	28	84.8	15	9	US-10-530-061-1989
8	28	84.8	15	9	US-10-530-061-1990
9	27	81.8	23	9	US-10-939-890-143
10	27	81.8	23	9	US-10-939-890-309
11	27	81.8	30	11	US-11-197-038-22
12	27	81.8	30	11	US-11-197-644-22
13	26	78.8	12	11	US-11-166-412-191
14	25	75.8	9	11	US-10-895-084-2629
15	25	75.8	9	11	US-11-129-741-2629
16	25	75.8	30	11	US-11-004-399-128
17	25	75.8	30	11	US-11-004-399-498
18	25	75.8	30	11	US-11-004-399-3753
19	24	72.7	11	11	US-11-033-365-51
20	24	72.7	11	11	US-11-033-365-213
21	24	72.7	13	11	US-11-233-683-42

22	24	72.7	15	10	US-11-176-182-46	Sequence 46, Appl
23	24	72.7	18	10	US-11-176-182-82	Sequence 82, Appl
24	24	72.7	22	10	US-11-176-182-110	Sequence 110, Appl
25	24	72.7	23	11	US-11-240-769-158	Sequence 158, Appl
26	24	72.7	25	11	US-11-009-840A-138	Sequence 138, Appl
27	24	72.7	25	11	US-11-009-873A-138	Sequence 138, Appl
28	24	72.7	25	11	US-11-009-769A-138	Sequence 138, Appl
29	24	72.7	26	11	US-11-009-840A-131	Sequence 131, Appl
30	24	72.7	26	11	US-11-009-873A-131	Sequence 131, Appl
31	24	72.7	26	11	US-11-009-769A-131	Sequence 131, Appl
32	24	72.7	34	11	US-11-121-301-12	Sequence 12, Appl
33	24	72.7	39	9	US-10-971-559-33	Sequence 33, Appl
34	24	72.7	40	11	US-11-233-683-39	Sequence 39, Appl
35	24	72.7	40	11	US-11-233-683-41	Sequence 41, Appl
36	24	72.7	41	11	US-11-027-111-19	Sequence 19, Appl
37	23	69.7	15	9	US-10-481-935A-251	Sequence 251, Appl
38	23	69.7	16	11	US-11-127-677-127	Sequence 127, Appl
39	23	69.7	19	9	US-10-939-890-336	Sequence 336, Appl
40	23	69.7	19	9	US-10-939-890-502	Sequence 502, Appl
41	23	69.7	19	9	US-10-939-890-802	Sequence 802, Appl
42	23	69.7	21	9	US-10-481-935A-250	Sequence 250, Appl
43	23	69.7	21	11	US-11-198-847-234	Sequence 234, Appl
44	23	69.7	22	11	US-11-198-847-333	Sequence 333, Appl
45	23	69.7	39	11	US-11-124-367A-411	Sequence 411, Appl

## ALIGNMENTS

RESULT 1  
US-10-530-061-337  
; Sequence 337, Application US/10530061  
; Publication No. US20060079453A1  
; GENERAL INFORMATION:  
; APPLICANT: SIDNEY, JOHN  
; APPLICANT: SOUTHWOOD, SCOTT  
; APPLICANT: SETTE, ALESSANDRO  
; TITLE OF INVENTION: HLA BINDING PEPTIDES AND THEIR USES  
; FILE REFERENCE: 2060.033US02/EKS/M-M  
; CURRENT APPLICATION NUMBER: US/10/530,061  
; PRIOR FILING DATE: 2005-04-04  
; PRIOR APPLICATION NUMBER: PCT/US03/31308  
; PRIOR FILING DATE: 2003-10-03  
; PRIOR APPLICATION NUMBER: 60/416,207  
; PRIOR FILING DATE: 2002-10-03  
; PRIOR APPLICATION NUMBER: 60/417,269  
; PRIOR FILING DATE: 2002-10-08  
; NUMBER OF SEQ ID NOS: 2503  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 337  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-530-061-337  
  
Query Match 84.8%; Score 28; DB 9; Length 8;  
Best Local Similarity 80.0%; Pred. No. 2.1e+05;  
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
Qy 1 WAPIP 5  
Db 3 WQIP 7  
  
RESULT 2  
US-10-530-061-356  
; Sequence 356, Application US/10530061  
; Publication No. US20060079453A1  
; GENERAL INFORMATION:  
; APPLICANT: SIDNEY, JOHN  
; APPLICANT: SOUTHWOOD, SCOTT  
; APPLICANT: SETTE, ALESSANDRO  
; TITLE OF INVENTION: HLA BINDING PEPTIDES AND THEIR USES

```

; FILE REFERENCE: 2060.033US02/EKS/M-M
; CURRENT APPLICATION NUMBER: US/10/530,061
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31308
; PRIOR FILING DATE: 2003-10-03
; PRIOR APPLICATION NUMBER: 60/416,207
; PRIOR FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: 60/417,269
; PRIOR FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 2503
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 356
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-530-061-356

```

```

Query Match      84.8%; Score 28; DB 9; Length 10;
Best Local Similarity 80.0%; Pred. No. 19;
Matches 4; Conservative 0; Mismatches 1; Indels 1; Gaps 0;

```

```

QY      1 WAPIP 5
      | | | |
DB      3 WQPIP 7

```

## RESULT 3

```

US-10-530-061-1985
; Sequence 1985, Application US/10530061
; Publication No. US20060079453A1
; GENERAL INFORMATION:
; APPLICANT: SIDNEY, JOHN
; APPLICANT: SOUTHWOOD, SCOTT
; APPLICANT: SETTE, ALESSANDRO
; TITLE OF INVENTION: HLA BINDING PEPTIDES AND THEIR USES
; FILE REFERENCE: 2060.033US02/EKS/M-M
; CURRENT APPLICATION NUMBER: US/10/530,061
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31308
; PRIOR FILING DATE: 2003-10-03
; PRIOR APPLICATION NUMBER: 60/416,207
; PRIOR FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: 60/417,269
; PRIOR FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 2503
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1985
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-530-061-1985

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```

Query Match      84.8%; Score 28; DB 9; Length 15;
Best Local Similarity 80.0%; Pred. No. 27;
Matches 4; Conservative 0; Mismatches 1; Indels 1; Gaps 0;

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QY      1 WAPIP 5
      | | | |
DB     11 WQPIP 15

```

## RESULT 4

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US-10-530-061-1986
; Sequence 1986, Application US/10530061
; Publication No. US20060079453A1
; GENERAL INFORMATION:
; APPLICANT: SIDNEY, JOHN
; APPLICANT: SOUTHWOOD, SCOTT
; APPLICANT: SETTE, ALESSANDRO
; TITLE OF INVENTION: HLA BINDING PEPTIDES AND THEIR USES
; FILE REFERENCE: 2060.033US02/EKS/M-M
; CURRENT APPLICATION NUMBER: US/10/530,061
; CURRENT FILING DATE: 2005-04-04

```

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; PRIOR APPLICATION NUMBER: PCT/US03/31308
; PRIOR FILING DATE: 2003-10-03
; PRIOR APPLICATION NUMBER: 60/416,207
; PRIOR FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: 60/417,269
; PRIOR FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 2503
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1986
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-530-061-1986

```

```

Query Match      84.8%; Score 28; DB 9; Length 15;
Best Local Similarity 80.0%; Pred. No. 27;
Matches 4; Conservative 0; Mismatches 1; Indels 1; Gaps 0;

```

```

QY      1 WAPIP 5
      | | | |
DB      7 WQPIP 11

```

## RESULT 5

```

US-10-530-061-1987
; Sequence 1987, Application US/10530061
; Publication No. US20060079453A1
; GENERAL INFORMATION:
; APPLICANT: SIDNEY, JOHN
; APPLICANT: SOUTHWOOD, SCOTT
; APPLICANT: SETTE, ALESSANDRO
; TITLE OF INVENTION: HLA BINDING PEPTIDES AND THEIR USES
; FILE REFERENCE: 2060.033US02/EKS/M-M
; CURRENT APPLICATION NUMBER: US/10/530,061
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31308
; PRIOR FILING DATE: 2003-10-03
; PRIOR APPLICATION NUMBER: 60/416,207
; PRIOR FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: 60/417,269
; PRIOR FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 2503
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1987
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-530-061-1987

```

```

Query Match      84.8%; Score 28; DB 9; Length 15;
Best Local Similarity 80.0%; Pred. No. 27;
Matches 4; Conservative 0; Mismatches 1; Indels 1; Gaps 0;

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```

QY      1 WAPIP 5
      | | | |
DB      6 WQPIP 10

```

## RESULT 6

```

US-10-530-061-1988
; Sequence 1988, Application US/10530061
; Publication No. US20060079453A1
; GENERAL INFORMATION:
; APPLICANT: SIDNEY, JOHN
; APPLICANT: SOUTHWOOD, SCOTT
; APPLICANT: SETTE, ALESSANDRO
; TITLE OF INVENTION: HLA BINDING PEPTIDES AND THEIR USES
; FILE REFERENCE: 2060.033US02/EKS/M-M
; CURRENT APPLICATION NUMBER: US/10/530,061
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31308
; PRIOR FILING DATE: 2003-10-03
; PRIOR APPLICATION NUMBER: 60/416,207

```

```
; PRIOR FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: 60/417,269
; PRIOR FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 2503
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1988
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-530-061-1988

Query Match      84.8%; Score 28; DB 9; Length 15;
Best Local Similarity 80.0%; Pred. No. 27;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 WAPIP 5
Db 5 WQIP 9

RESULT 7
US-10-530-061-1989
; Sequence 1989, Application US/105330061
; Publication No. US20060079453A1
; GENERAL INFORMATION:
; APPLICANT: SIDNEY, JOHN
; APPLICANT: SOUTHWOOD, SCOTT
; APPLICANT: SETTE, ALESSANDRO
; TITLE OF INVENTION: HLA BINDING PEPTIDES AND THEIR USES
; FILE REFERENCE: 2060.033US02/EKS/M-M
; CURRENT APPLICATION NUMBER: US/10/530,061
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31308
; PRIOR FILING DATE: 2003-10-03
; PRIOR APPLICATION NUMBER: 60/416,207
; PRIOR FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: 60/417,269
; PRIOR FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 2503
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1989
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-530-061-1989

Query Match      84.8%; Score 28; DB 9; Length 15;
Best Local Similarity 80.0%; Pred. No. 27;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 WAPIP 5
Db 4 WQIP 8

RESULT 8
US-10-530-061-1990
; Sequence 1990, Application US/105330061
; Publication No. US20060079453A1
; GENERAL INFORMATION:
; APPLICANT: SIDNEY, JOHN
; APPLICANT: SOUTHWOOD, SCOTT
; APPLICANT: SETTE, ALESSANDRO
; TITLE OF INVENTION: HLA BINDING PEPTIDES AND THEIR USES
; FILE REFERENCE: 2060.033US02/EKS/M-M
; CURRENT APPLICATION NUMBER: US/10/530,061
; CURRENT FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31308
; PRIOR FILING DATE: 2003-10-03
; PRIOR APPLICATION NUMBER: 60/416,207
; PRIOR FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: 60/417,269
; PRIOR FILING DATE: 2002-10-08

; NUMBER OF SEQ ID NOS: 2503
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1990
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-530-061-1990

Query Match      84.8%; Score 28; DB 9; Length 15;
Best Local Similarity 80.0%; Pred. No. 27;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 WAPIP 5
Db 13 WQIP 17

; NUMBER OF SEQ ID NOS: 2503
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1990
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-530-061-1990

Query Match      84.8%; Score 28; DB 9; Length 15;
Best Local Similarity 80.0%; Pred. No. 27;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 WAPIP 5
Db 1 WQIP 5

RESULT 9
US-10-939-890-143
; Sequence 143, Application US/10939890
; Publication No. US20050250700A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Aaron K.
; APPLICANT: Sexton, Daniel J.
; APPLICANT: Dransfield, Daniel T.
; APPLICANT: Ladner, Robert C.
; APPLICANT: Arbogast, Christophe
; APPLICANT: Bussat, Philippe
; APPLICANT: Fan, Hong
; APPLICANT: Khurana, Sudha
; APPLICANT: Linder, Karen E.
; APPLICANT: Marinelli, Edmund R.
; APPLICANT: Nanjappan, Palaniappa
; APPLICANT: Nunn, Adrian D.
; APPLICANT: Pillai, Radhakrishna
; APPLICANT: Pochon, Sibylle
; APPLICANT: Ramalingam, Kondareddiar
; APPLICANT: Shrivastava, Ajay
; APPLICANT: Song, Bo
; APPLICANT: Swenson, Rolf E.
; APPLICANT: Von Wronski, Mathew A.
; TITLE OF INVENTION: KDR AND VEGF/KDR BINDING PEPTIDES
; FILE REFERENCE: D0617.70014US00
; CURRENT APPLICATION NUMBER: US/10/939,890
; CURRENT FILING DATE: 2004-09-13
; PRIOR APPLICATION NUMBER: US 10/661,156
; PRIOR FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: US 10/382,082
; PRIOR FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: PCT/US03/06731
; PRIOR FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: US 60/440,411
; PRIOR FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 60/360,851
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 883
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Library Isolate
US-10-939-890-143

Query Match      81.8%; Score 27; DB 9; Length 18;
Best Local Similarity 80.0%; Pred. No. 48;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 WAPIP 5
Db 13 WQIP 17
```

```

; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 22
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-197-038-22

Query Match      81.8%; Score 27; DB 9; Length 23;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 4; Conservative 0; Mismatches 1; Indels 1; Gaps 0;

QY      1 WAPIP 5
DB      15 WDPVP 19

RESULT 11
US-11-197-038-22
; Sequence 22, Application US/11197038
; Publication No. US20060030527A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Aaron K.
; APPLICANT: Sexton, Daniel J.
; APPLICANT: Dransfield, Daniel T.
; APPLICANT: Ladner, Robert C.
; APPLICANT: Arbogast, Christophe
; APPLICANT: Buesat, Philippe
; APPLICANT: Fan, Hong
; APPLICANT: Khurana, Sudha
; APPLICANT: Linder, Karen E.
; APPLICANT: Marinelli, Edmund R.
; APPLICANT: Nanjappan, Palaniappa
; APPLICANT: Nunn, Adrian D.
; APPLICANT: Pillai, Radhakrishna
; APPLICANT: Pochon, Sibylle
; APPLICANT: Ramalingam, Kondareddiar
; APPLICANT: Shrivastava, Ajay
; APPLICANT: Song, Bo
; APPLICANT: Swenson, Rolf E.
; APPLICANT: Von Wronski, Mathew A.
; TITLE OF INVENTION: KDR AND VEGF/KDR BINDING PEPTIDES
; FILE REFERENCE: D0617.70014US00
; CURRENT APPLICATION NUMBER: US/10/939,890
; CURRENT FILING DATE: 2004-09-13
; PRIOR APPLICATION NUMBER: US 10/661,156
; PRIOR FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: US 10/382,082
; PRIOR FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: PCT/US03/06731
; PRIOR FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: US 60/440,411
; PRIOR FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 60/360,851
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 883
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 309
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthesized KDR-Binding Polypeptide
US-10-939-890-309

Query Match      81.8%; Score 27; DB 9; Length 23;
Best Local Similarity 80.0%; Pred. No. 59;
Matches 4; Conservative 0; Mismatches 1; Indels 1; Gaps 0;

QY      1 WAPIP 5
DB      15 WDPVP 19

RESULT 11
US-11-197-038-22
; Sequence 22, Application US/11197038
; Publication No. US20060030527A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Aaron K.
; APPLICANT: Sexton, Daniel J.
; APPLICANT: Dransfield, Daniel T.
; APPLICANT: Ladner, Robert C.
; APPLICANT: Arbogast, Christophe
; APPLICANT: Buesat, Philippe
; APPLICANT: Fan, Hong
; APPLICANT: Khurana, Sudha
; APPLICANT: Linder, Karen E.
; APPLICANT: Marinelli, Edmund R.
; APPLICANT: Nanjappan, Palaniappa
; APPLICANT: Nunn, Adrian D.
; APPLICANT: Pillai, Radhakrishna
; APPLICANT: Pochon, Sibylle
; APPLICANT: Ramalingam, Kondareddiar
; APPLICANT: Shrivastava, Ajay
; APPLICANT: Song, Bo
; APPLICANT: Swenson, Rolf E.
; APPLICANT: Von Wronski, Mathew A.
; TITLE OF INVENTION: KDR AND VEGF/KDR BINDING PEPTIDES
; FILE REFERENCE: D0617.70014US00
; CURRENT APPLICATION NUMBER: US/10/939,890
; CURRENT FILING DATE: 2004-09-13
; PRIOR APPLICATION NUMBER: US 10/661,156
; PRIOR FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: US 10/382,082
; PRIOR FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: PCT/US03/06731
; PRIOR FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: US 60/440,411
; PRIOR FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: US 60/360,851
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 883
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 309
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthesized KDR-Binding Polypeptide
US-10-939-890-309

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; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 22
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-197-038-22

Query Match      81.8%; Score 27; DB 11; Length 30;
Best Local Similarity 60.0%; Pred. No. 75;
Matches 3; Conservative 1; Mismatches 1; Indels 1; Gaps 0;

QY      1 WAPIP 5
DB      9 WEPVP 13

RESULT 12
US-11-197-644-22
; Sequence 22, Application US/11197644
; Publication No. US20060078562A1
; GENERAL INFORMATION:
; APPLICANT: Mjalli, Adnan M. M.
; APPLICANT: Stern, David M.
; APPLICANT: Webster, Jeffrey C.
; APPLICANT: Rothlein, Robert
; APPLICANT: Tian, Ye E.
; TITLE OF INVENTION: RAGE Fusion Proteins and Methods of Use
; FILE REFERENCE: 41305-318281
; CURRENT APPLICATION NUMBER: US/11/197,644
; CURRENT FILING DATE: 2005-08-03
; PRIOR APPLICATION NUMBER: US 60/598,362
; PRIOR FILING DATE: 2004-08-03
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 22
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-197-644-22

Query Match      81.8%; Score 27; DB 11; Length 30;
Best Local Similarity 60.0%; Pred. No. 75;
Matches 3; Conservative 1; Mismatches 1; Indels 1; Gaps 0;

QY      1 WAPIP 5
DB      9 WEPVP 13

RESULT 13
US-11-166-412-191
; Sequence 191, Application US/11166412
; Publication No. US20060014231A1
; GENERAL INFORMATION:
; APPLICANT: Van Rompaey, Luc
; APPLICANT: Tomme, Peter H. M.
; TITLE OF INVENTION: Methods and Compositions To Promote Bone Homeostasis
; FILE REFERENCE: P27,927-D USA
; CURRENT APPLICATION NUMBER: US/11/166,412
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: 60/582,704
; PRIOR FILING DATE: 2004-06-24
; PRIOR APPLICATION NUMBER: 60/630,449
; PRIOR FILING DATE: 2004-11-23
; PRIOR APPLICATION NUMBER: 60/673,206
; PRIOR FILING DATE: 2005-04-20
; NUMBER OF SEQ ID NOS: 231
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 191
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
US-11-166-412-191

```

```
;
; FEATURE:
; OTHER INFORMATION: Protein domain fragment
US-11-166-412-191

Query Match      78.8%; Score 26; DB 11; Length 12;
Best Local Similarity 100.0%; Pred. No. 51;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPI 4
Db 8 WAPI 11

RESULT 14
US-10-895-064-2629
; Sequence 2629, Application US/10895064
; Publication No. US20060018923A1
; GENERAL INFORMATION:
; APPLICANT: PEIRIS, JOSEPH S.M.
; APPLICANT: YUEN, KWOK YUNG
; APPLICANT: POON, LIT MAN
; APPLICANT: GUAN, YI
; APPLICANT: CHAN, KWOK HUNG
; APPLICANT: NICHOLLS, JOHN M.
; APPLICANT: LEUNG, FREDERICK C.
; TITLE OF INVENTION: A NOVEL HUMAN VIRUS CAUSING RESPIRATORY TRACT INFECTION AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: V0690.0031
; CURRENT APPLICATION NUMBER: US/10/895,064
; CURRENT FILING DATE: 2004-07-21
; NUMBER OF SEQ ID NOS: 2918
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2629
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Corononavirus-HKU1
US-10-895-064-2629

Query Match      75.8%; Score 25; DB 9; Length 9;
Best Local Similarity 75.0%; Pred. No. 2.1e+05;
Matches 3; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPI 4
Db 4 WAPV 7

RESULT 15
US-11-129-741-2629
; Sequence 2629, Application US/11129741
; Publication No. US20060034853A1
; GENERAL INFORMATION:
; APPLICANT: YUEN, KWOK YUNG
; APPLICANT: WOO, CHIU YAT PATRICK
; APPLICANT: LAU, KAR PUI SUSANNA
; APPLICANT: CHAN, KWOK HUNG
; APPLICANT: POON, LIT MAN
; APPLICANT: PEIRIS, JOSEPH S.M.
; APPLICANT: GUAN, YI
; TITLE OF INVENTION: A NOVEL HUMAN VIRUS CAUSING RESPIRATORY TRACT
; TITLE OF INVENTION: INFECTION AND USES THEREOF
; FILE REFERENCE: V0690.0044
; CURRENT APPLICATION NUMBER: US/11/129,741
; CURRENT FILING DATE: 2005-05-16
; PRIOR APPLICATION NUMBER: 10/895,064
; PRIOR FILING DATE: 2004-07-21
; NUMBER OF SEQ ID NOS: 4257
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2629
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Corononavirus-HKU1
US-11-129-741-2629
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```
Query Match      75.8%; Score 25; DB 11; Length 9;
Best Local Similarity 75.0%; Pred. No. 2.1e+05;
Matches 3; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPI 4
Db 4 WAPV 7

Search completed: May 12, 2006, 18:13:42
Job time : 28 secs
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GenCore version 5.1.8  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: May 17, 2006, 11:35:09 ; Search time 191 Seconds  
(without alignments)

11.969 Million cell updates/sec

Title: US-10-714-564A-2

Perfect score: 33

Sequence: 1 WAPIP 5

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 2589679 seqs, 45716429 residues

Total number of hits satisfying chosen parameters: 98

Minimum DB seq length: 0

Maximum DB seq length: 50

Post-processing: Minimum March 100%

Maximum March 100%

Listing first 500 summaries

Database : A\_Geneseq\_8.\*

1: Geneseq1980s.\*

2: Geneseq1990s.\*

3: Geneseq2000s.\*

4: Geneseq2001s.\*

5: Geneseq2002s.\*

6: Geneseq2003as.\*

7: Geneseq2003bs.\*

8: Geneseq2004s.\*

9: Geneseq2005s.\*

10: Geneseq2006s.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	33	100.0	5	ADP05825	Adp05825 Trp-conta
3	33	100.0	6	ADP06001	Adp06001 Trp-conta
4	33	100.0	6	ADP07226	Adp07226 Trp-conta
5	33	100.0	7	ADP06965	Adp06965 Cell adhe
6	33	100.0	7	ADP07081	Adp07081 Cell adhe
7	33	100.0	7	ADP05996	Adp05996 Trp-conta
8	33	100.0	7	ADP07023	Adp07023 Cell adhe
9	33	100.0	7	ADP06849	Adp06849 Cell adhe
10	33	100.0	7	ADP06907	Adp06907 Cell adhe
11	33	100.0	7	ADP06002	Adp06002 Trp-conta
12	33	100.0	7	ADP06007	Adp06007 Trp-conta
13	33	100.0	8	ADP06908	Adp06908 Cell adhe
14	33	100.0	8	ADP07082	Adp07082 Cell adhe
15	33	100.0	8	ADP06006	Adp06006 Trp-conta
16	33	100.0	8	ADP07024	Adp07024 Cell adhe
17	33	100.0	8	ADP05997	Adp05997 Trp-conta
18	33	100.0	8	ADP07017	Adp07017 Cell adhe
19	33	100.0	8	ADP06003	Adp06003 Trp-conta
20	33	100.0	8	ADP06005	Adp06005 Trp-conta
21	33	100.0	8	ADP06966	Adp06966 Cell adhe
22	33	100.0	8	ADP07169	Adp07169 Cell adhe
23	33	100.0	8	ADP06959	Adp06959 Cell adhe

24	33	100.0	8	ADP06850	Adp06850 Cell adhe
25	33	100.0	8	ADP07075	Adp07075 Cell adhe
26	33	100.0	8	ADP07168	Adp07168 Cell adhe
27	33	100.0	8	ADP06843	Adp06843 Cell adhe
28	33	100.0	8	ADP06009	Adp06009 Trp-conta
29	33	100.0	8	ADP07158	Adp07158 Cell adhe
30	33	100.0	9	ADP07018	Adp07018 Cell adhe
31	33	100.0	9	ADP07088	Adp07088 Cell adhe
32	33	100.0	9	ADP05998	Adp05998 Trp-conta
33	33	100.0	9	ADP06960	Adp06960 Cell adhe
34	33	100.0	9	ADP07167	Adp07167 Cell adhe
35	33	100.0	9	ADP06004	Adp06004 Trp-conta
36	33	100.0	9	ADP07160	Adp07160 Cell adhe
37	33	100.0	9	ADP06008	Adp06008 Trp-conta
38	33	100.0	9	ADP06972	Adp06972 Cell adhe
39	33	100.0	9	ADP07083	Adp07083 Cell adhe
40	33	100.0	9	ADP07025	Adp07025 Cell adhe
41	33	100.0	9	ADP06844	Adp06844 Cell adhe
42	33	100.0	9	ADP06851	Adp06851 Cell adhe
43	33	100.0	9	ADP06909	Adp06909 Cell adhe
44	33	100.0	9	ADP06914	Adp06914 Cell adhe
45	33	100.0	9	ADP06967	Adp06967 Cell adhe
46	33	100.0	9	ADP07076	Adp07076 Cell adhe
47	33	100.0	9	ADP06902	Adp06902 Cell adhe
48	33	100.0	9	ADP06856	Adp06856 Cell adhe
49	33	100.0	9	ADP07030	Adp07030 Cell adhe
50	33	100.0	10	AAW13011	AAW13011 Peptide d
51	33	100.0	10	ADP06912	Adp06912 Cell adhe
52	33	100.0	10	ADP06854	Adp06854 Cell adhe
53	33	100.0	10	ADP06855	Adp06855 Cell adhe
54	33	100.0	10	ADP06916	Adp06916 Cell adhe
55	33	100.0	10	ADP06968	Adp06968 Cell adhe
56	33	100.0	10	ADP06910	Adp06910 Cell adhe
57	33	100.0	10	ADP06913	Adp06913 Cell adhe
58	33	100.0	10	ADP07077	Adp07077 Cell adhe
59	33	100.0	10	ADP07084	Adp07084 Cell adhe
60	33	100.0	10	ADP06858	Adp06858 Cell adhe
61	33	100.0	10	ADP06970	Adp06970 Cell adhe
62	33	100.0	10	ADP07029	Adp07029 Cell adhe
63	33	100.0	10	ADP06852	Adp06852 Cell adhe
64	33	100.0	10	ADP06903	Adp06903 Cell adhe
65	33	100.0	10	ADP07090	Adp07090 Cell adhe
66	33	100.0	10	ADP06974	Adp06974 Cell adhe
67	33	100.0	10	ADP07164	Adp07164 Cell adhe
68	33	100.0	10	ADP07166	Adp07166 Cell adhe
69	33	100.0	10	ADP06845	Adp06845 Cell adhe
70	33	100.0	10	ADP07086	Adp07086 Cell adhe
71	33	100.0	10	ADP06961	Adp06961 Cell adhe
72	33	100.0	10	ADP06971	Adp06971 Cell adhe
73	33	100.0	10	ADP07026	Adp07026 Cell adhe
74	33	100.0	10	ADP07087	Adp07087 Cell adhe
75	33	100.0	10	ADP07019	Adp07019 Cell adhe
76	33	100.0	10	ADP07028	Adp07028 Cell adhe
77	33	100.0	10	ADP07032	Adp07032 Cell adhe
78	33	100.0	11	ADP07165	Adp07165 Cell adhe
79	33	100.0	11	ADP07027	Adp07027 Cell adhe
80	33	100.0	11	ADP06969	Adp06969 Cell adhe
81	33	100.0	11	ADP06904	Adp06904 Cell adhe
82	33	100.0	11	ADP07089	Adp07089 Cell adhe
83	33	100.0	11	ADP06846	Adp06846 Cell adhe
84	33	100.0	11	ADP06853	Adp06853 Cell adhe
85	33	100.0	11	ADP06915	Adp06915 Cell adhe
86	33	100.0	11	ADP07078	Adp07078 Cell adhe
87	33	100.0	11	ADP06973	Adp06973 Cell adhe
88	33	100.0	11	ADP06857	Adp06857 Cell adhe
89	33	100.0	11	ADP07031	Adp07031 Cell adhe
90	33	100.0	11	ADP06911	Adp06911 Cell adhe
91	33	100.0	11	ADP06962	Adp06962 Cell adhe
92	33	100.0	11	ADP07085	Adp07085 Cell adhe
93	33	100.0	11	ADP07020	Adp07020 Cell adhe
94	33	100.0	11	ADP07161	Adp07161 Cell adhe
95	33	100.0	14	ADP07144	Adp07144 Trp-conta
96	33	100.0	14	ADP07143	Adp07143 Trp-conta

97 33 100.0 14 8 ADP07140 Trp-conta  
98 33 100.0 19 2 AAR63546 HT-LCF V8  
AAR63546 HT-LCF V8

ALIGNMENTS

RESULT 1  
ADP06000  
ID ADP06000 standard; peptide; 5 AA.  
XX  
AC ADP06000;  
XX  
DT 26-AUG-2004 (first entry)  
XX  
DE Trp-containing cell adhesion recognition (CAR) sequence #165.  
XX  
KW cell adhesion modulating agent;  
KW desmosomal cadherin-mediated cell adhesion;  
KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
KW demyelinating neurological disorder; immune system modulation;  
KW pregnancy prevention; vasopermeability; synaptic stability;  
KW blood vessel regression; neurite outgrowth; spinal cord injury;  
KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
KW dermatitis.  
XX  
OS Unidentified.  
XX WO2004048411-A2.  
XX  
PN 10-JUN-2004.  
XX  
PD 14-NOV-2003; 2003WO-IB006208.  
XX  
PF 14-NOV-2002; 2002US-0426551P.  
XX  
PR 14-NOV-2002; 2002US-0426589P.  
XX  
PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
XX  
PI Blaschuk OW, Michaud SD;  
XX  
DR WPI; 2004-450349/42.  
XX  
PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
XX  
PS Disclosure; SEQ ID NO 177; 507pp; English.  
XX  
XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a Trp-containing CAR sequence of the invention.  
XX  
SQ Sequence 5 AA;

Query Match 100.0%; Score 33; DB 8; Length 5;  
Best Local Similarity 100.0%; Pred. No. 2.1e+06; Indels 0; Gaps 0;  
Matches 5; Conservative 0; Mismatches 0;  
QY 1 WAPIP 5  
DB 1 WAPIP 5  
RESULT 2  
ADP05825  
ID ADP05825 standard; peptide; 5 AA.  
XX  
AC ADP05825;  
XX  
DT 26-AUG-2004 (first entry)  
XX  
DE Trp-containing cell adhesion recognition (CAR) sequence #1.  
XX  
KW cell adhesion modulating agent;  
KW desmosomal cadherin-mediated cell adhesion;  
KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
KW demyelinating neurological disorder; immune system modulation;  
KW pregnancy prevention; vasopermeability; synaptic stability;  
KW blood vessel regression; neurite outgrowth; spinal cord injury;  
KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
KW dermatitis.  
XX  
OS Unidentified.  
XX WO2004048411-A2.  
XX  
PN 10-JUN-2004.  
XX  
PD 14-NOV-2003; 2003WO-IB006208.  
XX  
PF 14-NOV-2002; 2002US-0426551P.  
XX  
PR 14-NOV-2002; 2002US-0426589P.  
XX  
PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
XX  
PI Blaschuk OW, Michaud SD;  
XX  
DR WPI; 2004-450349/42.  
XX  
PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
XX  
PS Claim 1; SEQ ID NO 2; 507pp; English.  
XX  
XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a Trp-containing CAR sequence of the invention.  
XX

SQ Sequence 5 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 |||||  
 Db 1 WAPIP 5

RESULT 3  
 ADP06001  
 ID ADP06001 standard; peptide; 6 AA.  
 XX AC ADP06001;  
 XX 26-AUG-2004 (first entry)  
 DT Trp-containing cell adhesion recognition (CAR) sequence #166.  
 DE  
 XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis.  
 XX Unidentified.  
 OS  
 XX WO2004048411-A2.  
 XX 10-JUN-2004.  
 XX 14-NOV-2003; 2003WO-IB006208.  
 XX 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX Blaschuk OW, Michaud SD;  
 PI WPI; 2004-450349/42.  
 DR Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PT Disclosure; SEQ ID NO 178; 507pp; English.  
 PS  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculture in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a Trp-containing CAR sequence

CC of the invention.  
 XX Sequence 6 AA;  
 SQ Query Match 100.0%; Score 33; DB 8; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 |||||  
 Db 1 WAPIP 5

RESULT 4  
 ADP07226  
 ID ADP07226 standard; peptide; 6 AA.  
 XX AC ADP07226;  
 XX 26-AUG-2004 (first entry)  
 DT Trp-containing cell adhesion recognition (CAR) sequence #216.  
 DE  
 XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis.  
 XX Unidentified.  
 OS  
 XX WO2004048411-A2.  
 XX 10-JUN-2004.  
 XX 14-NOV-2003; 2003WO-IB006208.  
 XX 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX Blaschuk OW, Michaud SD;  
 PI WPI; 2004-450349/42.  
 DR Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PT Claim 7; Page 150; 507pp; English.  
 PS  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculture in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a Trp-containing CAR sequence

CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).

CC The present amino acid sequence represents a Trp-containing CAR sequence

CC of the invention.

XX

SQ Sequence 6 AA;

Query Match 100.0%; Score 33; DB 8; Length 6;

Best Local Similarity 100.0%; Pred. NO. 2.1e+06;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
| | | | |

Db 2 WAPIP 6  
| | | | |

RESULT 5

ID ADP06965 standard; peptide; 7 AA.

XX

AC ADP06965;

XX

DT 26-AUG-2004 (first entry)

DE Cell adhesion modulating agent-related cyclic peptide #926.

XX

KW Cell adhesion modulating agent;

KW desmosomal cadherin-mediated cell adhesion;

KW Trp-containing cell adhesion recognition sequence; CAR sequence;

KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;

KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;

KW demyelinating neurological disorder; immune system modulation;

KW pregnancy prevention; vasopermeability; synaptic stability;

KW blood vessel regression; neurite outgrowth; spinal cord injury;

KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;

KW dermatitis; cyclic.

XX

OS Unidentified.

XX

FN WO2004048411-A2.

XX

PD 10-JUN-2004.

XX

XX 14-NOV-2003; 2003WO-IB006208.

XX

PF 14-NOV-2002; 2002US-0426551P.

PR 14-NOV-2002; 2002US-0426689P.

XX

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

PA

PI Blaschuk OW, Michaud SD;

XX

XX WPI; 2004-450349/42.

DR

XX

PT Cell adhesion modulating agent that modulates desmosomal cadherin-

PT mediated cell adhesion, useful for inhibiting cancer metastasis,

PT comprises Trp-containing cell adhesion recognition sequence of desmosomal

PT cadherin molecule.

XX

XX Disclosure; SEQ ID NO 1142; 507pp; English.

XX

XX The invention comprises a cell adhesion modulating agent that modulates

CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating

CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence

CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of

CC the invention is useful for: inhibiting cancer metastasis, inhibiting

CC angiogenesis in a mammal, ameliorating a demyelinating neurological

CC disorder in a mammal, modulating immune system of a mammal, preventing

CC pregnancy in a mammal, increasing vasopermeability in a mammal,

CC inhibiting synaptic stability in a mammal, stimulating blood vessel

CC regression, increasing blood flow to a tumour in a mammal, disrupting

CC neovascularisation in a mammal, inhibiting endometriosis in a mammal,

CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a

CC foreign tissue implanted within a mammal, for enhancing/directing neurite

CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The

CC cell adhesion modulating agent of the invention is useful for treating

CC disease conditions that are dependent on angiogenesis and

CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).

CC The present amino acid sequence represents a cyclic peptide of the

CC invention.

XX

SQ Sequence 7 AA;

Query Match 100.0%; Score 33; DB 8; Length 7;

Best Local Similarity 100.0%; Pred. NO. 2.1e+06;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
| | | | |

Db 2 WAPIP 6  
| | | | |

RESULT 6

ID ADP07081 standard; peptide; 7 AA.

XX

AC ADP07081;

XX

DT 26-AUG-2004 (first entry)

DE Cell adhesion modulating agent-related cyclic peptide #1042.

XX

KW Cell adhesion modulating agent;

KW desmosomal cadherin-mediated cell adhesion;

KW Trp-containing cell adhesion recognition sequence; CAR sequence;

KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;

KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;

KW demyelinating neurological disorder; immune system modulation;

KW pregnancy prevention; vasopermeability; synaptic stability;

KW blood vessel regression; neurite outgrowth; spinal cord injury;

KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;

KW dermatitis; cyclic.

XX

OS Unidentified.

XX

FN WO2004048411-A2.

XX

PD 10-JUN-2004.

XX

XX 14-NOV-2003; 2003WO-IB006208.

XX

PF 14-NOV-2002; 2002US-0426551P.

PR 14-NOV-2002; 2002US-0426689P.

XX

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

PA

PI Blaschuk OW, Michaud SD;

XX

XX WPI; 2004-450349/42.

DR

XX

PT Cell adhesion modulating agent that modulates desmosomal cadherin-

PT mediated cell adhesion, useful for inhibiting cancer metastasis,

PT comprises Trp-containing cell adhesion recognition sequence of desmosomal

PT cadherin molecule.

XX

XX Disclosure; SEQ ID NO 1258; 507pp; English.

XX

XX The invention comprises a cell adhesion modulating agent that modulates

CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating

CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence

CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of

CC the invention is useful for: inhibiting cancer metastasis, inhibiting

CC angiogenesis in a mammal, ameliorating a demyelinating neurological

CC disorder in a mammal, modulating immune system of a mammal, preventing

CC pregnancy in a mammal, increasing vasopermeability in a mammal,

CC inhibiting synaptic stability in a mammal, stimulating blood vessel

CC regression, increasing blood flow to a tumour in a mammal, disrupting

CC neovascularisation in a mammal, inhibiting endometriosis in a mammal,

CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a

CC foreign tissue implanted within a mammal, for enhancing/directing neurite

CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The

CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.

XX Sequence 7 AA;  
 CC

Query Match 100.0%; Score 33; DB 8; Length 7;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6

RESULT 7  
 ADP05996  
 ID ADP05996 standard; peptide; 7 AA.  
 XX AC ADP05996;  
 XX AC  
 XX DT 26-AUG-2004 (first entry)  
 XX DT  
 XX DE Trp-containing cell adhesion recognition (CAR) sequence #161.  
 XX DE  
 XX KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis.

XX OS Unidentified.  
 XX OS  
 XX PN WO2004048411-A2.  
 XX PD 10-JUN-2004.  
 XX PD  
 XX PF 14-NOV-2003; 2003WO-IB006208.  
 XX PF  
 XX PR 14-NOV-2002; 2002US-0426551P.  
 XX PR 14-NOV-2002; 2002US-0426689P.  
 XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX PA  
 XX PI Blaschuk OW, Michaud SD;  
 XX PI  
 XX DR WPI; 2004-450349/42.  
 XX DR  
 XX PT Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.  
 XX PT  
 XX PS Disclosure; SEQ ID NO 173; 507pp; English.  
 XX PS  
 XX CC The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting

CC neovasculture in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a Trp-containing CAR sequence  
 CC of the invention.

XX Sequence 7 AA;  
 CC

Query Match 100.0%; Score 33; DB 8; Length 7;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6

RESULT 8  
 ADP07023  
 ID ADP07023 standard; peptide; 7 AA.  
 XX AC ADP07023;  
 XX AC  
 XX DT 26-AUG-2004 (first entry)  
 XX DT  
 XX DE Cell adhesion modulating agent-related cyclic peptide #984.  
 XX DE  
 XX KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX OS Unidentified.  
 XX OS  
 XX PN WO2004048411-A2.  
 XX PD 10-JUN-2004.  
 XX PD  
 XX PF 14-NOV-2003; 2003WO-IB006208.  
 XX PF  
 XX PR 14-NOV-2002; 2002US-0426551P.  
 XX PR 14-NOV-2002; 2002US-0426689P.  
 XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX PA  
 XX PI Blaschuk OW, Michaud SD;  
 XX PI  
 XX DR WPI; 2004-450349/42.  
 XX DR  
 XX PT Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.  
 XX PT  
 XX PS Disclosure; SEQ ID NO 1200; 507pp; English.  
 XX PS  
 XX CC The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting



the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascutature in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.

CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
CC disorder in a mammal, modulating immune system of a mammal, preventing  
CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
CC regression, increasing blood flow to a tumour in a mammal, disrupting  
CC neovascularity in a mammal, inhibiting endometriosis in a mammal,  
CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
CC cell adhesion modulating agent of the invention is useful for treating  
CC disease conditions that are dependent on angiogenesis and  
CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
CC The present amino acid sequence represents a Trp-containing CAR sequence  
CC of the invention.

PT comprises information concerning the amino acid sequence of the cadherin molecule.  
XX  
XX  
PS Disclosure; SEQ ID NO 184; 507pp; English.  
XX

CC The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovasculture in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a Trp-containing CAR sequence  
 CC of the invention.  
 XX Sequence 7 AA;  
 SQ

Query Match 100.0%; Score 33; DB 8; Length 7;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06; Indels 0; Gaps 0;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 DB 1 WAPIP 5

RESULT 13  
 ADP06908  
 ID ADP06908 standard; peptide; 8 AA.

AC ADP06908;  
 DT 26-AUG-2004 (first entry)  
 DE Cell adhesion modulating agent-related cyclic peptide #869.  
 DE cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

OS Unidentified.  
 PN WO2004048411-A2.  
 PD 10-JUN-2004.

PF 14-NOV-2003; 2003WO-IB006208.  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.

PI Blaschuk OW, Michaud SD;  
 PI WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

PS Disclosure; SEQ ID NO 1085; 507pp; English.  
 XX The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovasculture in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX Sequence 8 AA;  
 SQ

Query Match 100.0%; Score 33; DB 8; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06; Indels 0; Gaps 0;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 DB 2 WAPIP 6

RESULT 14  
 ADP07082  
 ID ADP07082 standard; peptide; 8 AA.

AC ADP07082;  
 DT 26-AUG-2004 (first entry)  
 DE Cell adhesion modulating agent-related cyclic peptide #1043.  
 DE cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

OS Unidentified.  
 PN WO2004048411-A2.  
 PD 10-JUN-2004.

PF 14-NOV-2003; 2003WO-IB006208.  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.

PI Blaschuk OW, Michaud SD;  
 PI WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal

PT cadherin molecule.  
 XX  
 PS Disclosure; SEQ ID NO 1259; 507pp; English.  
 XX

CC The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovasculature in a mammal, inhibiting endometriosis in a mammal,  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX  
 SQ Sequence 8 AA;

Query Match 100.0%; Score 33; DB 8; Length 8;  
 Best Local Similarity 100.0%; Pred. NO. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 Db |||||  
 2 WAPIP 6

RESULT 15  
 ADP06006  
 ID ADP06006 standard; peptide; 8 AA.  
 XX  
 AC ADP06006;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Trp-containing cell adhesion recognition (CAR) sequence #171.

CC cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis.  
 XX  
 OS Unidentified.  
 XX  
 PN WO2004048411-A2.  
 XX  
 PD 10-JUN-2004.  
 XX  
 PF 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 PI Blaschuk OW, Michaud SD;  
 XX  
 DR WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-

PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 XX cadherin molecule.  
 PS Disclosure; SEQ ID NO 183; 507pp; English.  
 XX

CC The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovasculature in a mammal, inhibiting endometriosis in a mammal,  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a Trp-containing CAR sequence  
 CC of the invention.  
 XX  
 SQ Sequence 8 AA;

Query Match 100.0%; Score 33; DB 8; Length 8;  
 Best Local Similarity 100.0%; Pred. NO. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 Db |||||  
 2 WAPIP 6

RESULT 16  
 ADP07024  
 ID ADP07024 standard; peptide; 8 AA.  
 XX  
 AC ADP07024;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #985.

CC cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX  
 OS Unidentified.  
 XX  
 PN WO2004048411-A2.  
 XX  
 PD 10-JUN-2004.  
 XX  
 PF 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 PI Blaschuk OW, Michaud SD;  
 XX  
 DR WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-

XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.

XX Disclosure; SEQ ID NO 1201; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculature in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.

XX Sequence 8 AA;

Query Match 100.0%; Score 33; DB 8; Length 8;  
Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
Db 2 WAPIP 6  
|||||

RESULT 17

ADP05997

ID ADP05997 standard; peptide; 8 AA.

XX ADP05997;

XX 26-AUG-2004 (first entry)

XX Trp-containing cell adhesion recognition (CAR) sequence #162.

XX cell adhesion modulating agent;

XX desmosomal cadherin-mediated cell adhesion;

XX Trp-containing cell adhesion recognition sequence; CAR sequence;

XX desmosomal cadherin molecule; cancer metastasis; angiogenesis;

XX demyelinating neurological disorder; immune system modulation;

XX pregnancy prevention; vasopermeability; synaptic stability;

XX blood vessel regression; neurite outgrowth; spinal cord injury;

XX angiogenesis; neovascularisation; psoriasis; diabetic retinopathy; dermatitis.

XX Unidentified.

XX WO2004048411-A2.

XX 10-JUN-2004.

XX 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

XX 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.

XX Disclosure; SEQ ID NO 174; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculature in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a Trp-containing CAR sequence of the invention.

XX Sequence 8 AA;

Query Match 100.0%; Score 33; DB 8; Length 8;  
Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
Db 2 WAPIP 6  
|||||

RESULT 18

ADP07017

ID ADP07017 standard; peptide; 8 AA.

XX ADP07017;

XX 26-AUG-2004 (first entry)

XX Cell adhesion modulating agent-related cyclic peptide #978.

XX cell adhesion modulating agent;

XX desmosomal cadherin-mediated cell adhesion;

XX Trp-containing cell adhesion recognition sequence; CAR sequence;

XX desmosomal cadherin molecule; cancer metastasis; angiogenesis;

XX demyelinating neurological disorder; immune system modulation;

XX pregnancy prevention; vasopermeability; synaptic stability;

XX blood vessel regression; neurite outgrowth; spinal cord injury;

XX angiogenesis; neovascularisation; psoriasis; diabetic retinopathy; dermatitis; cyclic.

XX Unidentified.

XX WO2004048411-A2.

XX 10-JUN-2004.

XX 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

XX 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.





PD 10-JUN-2004.  
 XX 14-NOV-2003; 2003WO-IB006208.  
 PF 14-NOV-2002; 2002US-0426551P.  
 XX 14-NOV-2002; 2002US-0426689P.  
 PR (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX Blaschuk OW, Michaud SD;  
 XX WPI; 2004-450349/42.  
 DR Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 XX Disclosure; SEQ ID NO 1346; 507pp; English.  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, preventing neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclisation peptide of the invention.  
 XX Sequence 8 AA;  
 SQ Query Match 100.0%; Score 33; DB 8; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7  
 RESULT 23  
 ADP06959  
 ID ADP06959 standard; peptide; 8 AA.  
 XX ADP06959;  
 AC 26-AUG-2004 (first entry)  
 DT Cell adhesion modulating agent-related cyclic peptide #920.  
 XX Cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy; dermatitis; cyclic.  
 OS Unidentified.  
 XX

PN W02004048411-A2.  
 XX 10-JUN-2004.  
 XX 14-NOV-2003; 2003WO-IB006208.  
 PF 14-NOV-2002; 2002US-0426551P.  
 XX 14-NOV-2002; 2002US-0426689P.  
 PR (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX Blaschuk OW, Michaud SD;  
 XX WPI; 2004-450349/42.  
 DR Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 XX Disclosure; SEQ ID NO 1136; 507pp; English.  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.  
 XX Sequence 8 AA;  
 SQ Query Match 100.0%; Score 33; DB 8; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7  
 RESULT 24  
 ADP06850  
 ID ADP06850 standard; peptide; 8 AA.  
 XX ADP06850;  
 AC 26-AUG-2004 (first entry)  
 DT Cell adhesion modulating agent-related cyclic peptide #811.  
 XX Cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy; dermatitis; cyclic.  
 XX

OS Unidentified.  
 XX WO2004048411-A2.  
 PN XX  
 XX 10-JUN-2004.  
 XX  
 XX 14-NOV-2003; 2003WO-IB006208.  
 PF XX  
 XX 14-NOV-2002; 2002US-0426551P.  
 PR XX  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 XX Blaschuk OW, Michaud SD;  
 PI WPI; 2004-450349/42.  
 XX  
 XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PT Disclosure; SEQ ID NO 1027; 507pp; English.  
 PS  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularity in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.  
 CC  
 CC Sequence 8 AA;  
 XX  
 SQ  
 Query Match 100.0%; Score 33; DB 8; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6  
 |||||  
 RESULT 25  
 ADP07075  
 ID ADP07075 standard; peptide; 8 AA.  
 XX  
 AC ADP07075;  
 XX  
 XX 26-AUG-2004 (first entry)  
 DT  
 XX Cell adhesion modulating agent-related cyclic peptide #1036.  
 DE  
 XX cell adhesion modulating agent;  
 XX desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;

KW dermatitis; cyclic.  
 XX Unidentified.  
 XX WO2004048411-A2.  
 PN XX  
 XX 10-JUN-2004.  
 PD XX  
 XX 14-NOV-2003; 2003WO-IB006208.  
 PF XX  
 XX 14-NOV-2002; 2002US-0426551P.  
 PR XX  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 XX Blaschuk OW, Michaud SD;  
 PI WPI; 2004-450349/42.  
 XX  
 XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PT Disclosure; SEQ ID NO 1252; 507pp; English.  
 PS  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularity in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.  
 CC  
 CC Sequence 8 AA;  
 XX  
 SQ  
 Query Match 100.0%; Score 33; DB 8; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7  
 |||||  
 RESULT 26  
 ADP07168  
 ID ADP07168 standard; peptide; 8 AA.  
 XX  
 AC ADP07168;  
 XX  
 XX 26-AUG-2004 (first entry)  
 DT  
 XX Cell adhesion modulating agent-related cyclisation peptide #24.  
 DE  
 XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;

KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclisation peptide.

XX Unidentified.

OS WO2004048411-A2.

PN 10-JUN-2004.

PD 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

PR 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.

XX Disclosure; SEQ ID NO 1345; 507pp; English.

CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclisation peptide of the invention.

XX Sequence 8 AA;

Query Match 100.0%; Score 33; DB 8; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6

RESULT 27

ID ADP06843

XX ADP06843 standard; peptide; 8 AA.

AC ADP06843;

XX 26-AUG-2004 (first entry)

XX Cell adhesion modulating agent-related cyclic peptide #804.

XX cell adhesion modulating agent;

KW desmosomal cadherin-mediated cell adhesion;

KW Trp-containing cell adhesion recognition sequence; CAR sequence;

KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;

KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX Unidentified.

PN WO2004048411-A2.

XX 10-JUN-2004.

XX 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

PR 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.

XX Disclosure; SEQ ID NO 1020; 507pp; English.

CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.

XX Sequence 8 AA;

Query Match 100.0%; Score 33; DB 8; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

RESULT 28

ID ADP06009

XX ADP06009 standard; peptide; 8 AA.

AC ADP06009;

XX 26-AUG-2004 (first entry)

XX Trp-containing cell adhesion recognition (CAR) sequence #174.

XX cell adhesion modulating agent;

KW desmosomal cadherin-mediated cell adhesion;

KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis.

XX Unidentified.

XX WO2004048411-A2.

XX 10-JUN-2004.

XX 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

PR 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.

XX Disclosure; SEQ ID NO 186; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a Trp-containing CAR sequence of the invention.

XX Sequence 8 AA;

Query Match 100.0%; Score 33; DB 8; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5

DB 1 WAPIP 5

RESULT 29

ADP07158

ID ADP07158 standard; peptide; 8 AA.

XX ADP07158;

XX 26-AUG-2004 (first entry)

XX Cell adhesion modulating agent-related cyclisation peptide #14.

XX

KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclisation peptide.

XX Unidentified.

XX WO2004048411-A2.

XX 10-JUN-2004.

XX 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

PR 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.

XX Disclosure; SEQ ID NO 1335; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclisation peptide of the invention.

XX Sequence 8 AA;

Query Match 100.0%; Score 33; DB 8; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5

DB 3 WAPIP 7

RESULT 30

ADP07018

ID ADP07018 standard; peptide; 9 AA.

XX ADP07018;

XX 26-AUG-2004 (first entry)

XX

DE Cell adhesion modulating agent-related cyclic peptide #979.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX Unidentified.  
 XX  
 FN WO2004048411-A2.  
 XX  
 XX 10-JUN-2004.  
 XX  
 PD 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PF 14-NOV-2002; 2002US-0426551P.  
 XX  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.  
 PA  
 XX Blaschuk OW, Michaud SD;  
 PI  
 XX WPI; 2004-450349/42.  
 XX  
 DR Cell adhesion modulating agent that modulates desmosomal cadherin-  
 XX mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.  
 XX  
 PS Disclosure; SEQ ID NO 1195; 507pp; English.  
 XX  
 CC The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovasculation in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX  
 SQ Sequence 9 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 OY 1 WAPIP 5  
 DB 3 WAPIP 7  
 RESULT 31  
 ADP07088  
 ID ADP07088 standard; peptide; 9 AA.  
 XX  
 AC ADP07088;  
 XX

DT 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #1049.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX Unidentified.  
 XX  
 FN WO2004048411-A2.  
 XX  
 XX 10-JUN-2004.  
 XX  
 PD 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PF 14-NOV-2002; 2002US-0426551P.  
 XX  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.  
 PA  
 XX Blaschuk OW, Michaud SD;  
 PI  
 XX WPI; 2004-450349/42.  
 XX  
 DR Cell adhesion modulating agent that modulates desmosomal cadherin-  
 XX mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.  
 XX  
 PS Disclosure; SEQ ID NO 1265; 507pp; English.  
 XX  
 CC The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovasculation in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX  
 SQ Sequence 9 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 OY 1 WAPIP 5  
 DB 2 WAPIP 6  
 RESULT 32  
 ADP05998  
 ID ADP05998 standard; peptide; 9 AA.  
 XX

AC ADP05998;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Trp-containing cell adhesion recognition (CAR) sequence #163.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW desmosomal cadherin molecule; immune system modulation;  
 KW demyelinating neurological disorder; synaptic stability;  
 KW pregnancy prevention; vasopermeability; neurite outgrowth; spinal cord injury;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis.  
 XX  
 OS Unidentified.  
 XX  
 PN WO2004048411-A2.  
 XX  
 PD 10-JUN-2004.  
 XX  
 PF 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 PI Blaschuk OW, Michaud SD;  
 XX  
 DR WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PT  
 PT  
 PS Disclosure; SEQ ID NO 175; 507pp; English.  
 XX  
 CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a Trp-containing CAR sequence of the invention.  
 XX  
 SQ Sequence 9 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6  
 |||||

ID  
 XX  
 AC ADP06960 standard; peptide; 9 AA.  
 AC ADP06960;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #921.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW desmosomal cadherin molecule; immune system modulation;  
 KW demyelinating neurological disorder; synaptic stability;  
 KW pregnancy prevention; vasopermeability; neurite outgrowth; spinal cord injury;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX  
 OS Unidentified.  
 XX  
 PN WO2004048411-A2.  
 XX  
 PD 10-JUN-2004.  
 XX  
 PF 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 PI Blaschuk OW, Michaud SD;  
 XX  
 DR WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PT  
 PT  
 PS Disclosure; SEQ ID NO 1137; 507pp; English.  
 XX  
 CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.  
 XX  
 SQ Sequence 9 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7  
 |||||

RESULT 34  
ADP07167  
ID ADP07167 standard; peptide; 9 AA.  
XX AC ADP07167;  
XX DT 26-AUG-2004 (first entry)  
XX DE Cell adhesion modulating agent-related cyclisation peptide #23.  
XX KW cell adhesion modulating agent;  
KW desmosomal cadherin-mediated cell adhesion;  
KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
KW demyelinating neurological disorder; immune system modulation;  
KW pregnancy prevention; vasopermeability; synaptic stability;  
KW blood vessel regression; neurite outgrowth; spinal cord injury;  
KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
KW dermatitis; cyclisation peptide.  
XX OS Unidentified.  
XX PN WO2004048411-A2.  
XX PD 10-JUN-2004.  
XX PF 14-NOV-2003; 2003WO-IB006208.  
XX PR 14-NOV-2002; 2002US-0426551P.  
XX PR 14-NOV-2002; 2002US-0426689P.  
XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
XX PI Blaschuk OW, Michaud SD;  
XX WPI; 2004-450349/42.  
XX PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
XX PS Disclosure; SEQ ID NO 1344; 507pp; English.  
XX CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclisation peptide of the invention.  
XX SQ Sequence 9 AA;

Query Match 100.0%; Score 33; DB 8; Length 9;  
Best Local Similarity 100.0%; Pred. NO. 2.1e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 WAPIP 5  
DB 4 WAPIP 8

RESULT 35  
ADP06004  
ID ADP06004 standard; peptide; 9 AA.  
XX AC ADP06004;  
XX DT 26-AUG-2004 (first entry)  
XX DE Trp-containing cell adhesion recognition (CAR) sequence #169.  
XX KW cell adhesion modulating agent;  
KW desmosomal cadherin-mediated cell adhesion;  
KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
KW demyelinating neurological disorder; immune system modulation;  
KW pregnancy prevention; vasopermeability; synaptic stability;  
KW blood vessel regression; neurite outgrowth; spinal cord injury;  
KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
KW dermatitis.  
XX OS Unidentified.  
XX PN WO2004048411-A2.  
XX PD 10-JUN-2004.  
XX PF 14-NOV-2003; 2003WO-IB006208.  
XX PR 14-NOV-2002; 2002US-0426551P.  
XX PR 14-NOV-2002; 2002US-0426689P.  
XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
XX PI Blaschuk OW, Michaud SD;  
XX WPI; 2004-450349/42.  
XX PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
XX PS Disclosure; SEQ ID NO 181; 507pp; English.  
XX CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a Trp-containing CAR sequence of the invention.  
XX SQ Sequence 9 AA;

Query Match 100.0%; Score 33; DB 8; Length 9;  
Best Local Similarity 100.0%; Pred. NO. 2.1e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 WAPIP 5



Best Local Similarity 100.0%; Pred. No. 2.1e+06; Indels 0; Gaps 0;  
Matches 5; Conservative 0; Mismatches 0;

Qy 1 WAPIP 5  
|  
|  
|  
|  
|  
Db 2 WAPIP 6

RESULT 38  
ADP06972  
ID ADP06972 standard; peptide; 9 AA.

XX AC ADP06972;

XX DT 26-AUG-2004 (first entry)

XX DE Cell adhesion modulating agent-related cyclic peptide #933.

XX KW cell adhesion modulating agent;  
KW desmosomal cadherin-mediated cell adhesion;  
KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
KW demyelinating neurological disorder; immune system modulation;  
KW pregnancy prevention; vasopermeability; synaptic stability;  
KW blood vessel regression; neurite outgrowth; spinal cord injury;  
KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
KW dermatitis; cyclic.

XX OS Unidentified.

XX PN W02004048411-A2.

XX PD 10-JUN-2004.

XX PF 14-NOV-2003; 2003WO-IB006208.

XX PR 14-NOV-2002; 2002US-0426551P.

XX PR 14-NOV-2002; 2002US-0426689P.

XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX PI Blaschuk OW, Michaud SD;

XX DR WPI; 2004-450349/42.

XX CC Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.

XX PS Disclosure; SEQ ID NO 1149; 507pp; English.

XX CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.

XX SQ Sequence 9 AA;

Query Match 100.0%; Score 33; DB 8; Length 9;  
Best Local Similarity 100.0%; Pred. No. 2.1e+06; Indels 0; Gaps 0;  
Matches 5; Conservative 0; Mismatches 0;

Qy 1 WAPIP 5  
|  
|  
|  
|  
|  
Db 2 WAPIP 6

RESULT 39  
ADP07083

XX ID ADP07083 standard; peptide; 9 AA.

XX AC ADP07083;

XX DT 26-AUG-2004 (first entry)

XX DE Cell adhesion modulating agent-related cyclic peptide #1044.

XX KW cell adhesion modulating agent;  
KW desmosomal cadherin-mediated cell adhesion;  
KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
KW demyelinating neurological disorder; immune system modulation;  
KW pregnancy prevention; vasopermeability; synaptic stability;  
KW blood vessel regression; neurite outgrowth; spinal cord injury;  
KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
KW dermatitis; cyclic.

XX OS Unidentified.

XX PN W02004048411-A2.

XX PD 10-JUN-2004.

XX PF 14-NOV-2003; 2003WO-IB006208.

XX PR 14-NOV-2002; 2002US-0426551P.

XX PR 14-NOV-2002; 2002US-0426689P.

XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX PI Blaschuk OW, Michaud SD;

XX DR WPI; 2004-450349/42.

XX CC Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.

XX PS Disclosure; SEQ ID NO 1260; 507pp; English.

XX CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.

XX SQ Sequence 9 AA;

Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6

RESULT 40  
 ADP07025  
 ID ADP07025 standard; peptide; 9 AA.  
 XX  
 AC ADP07025;  
 XX  
 DT 26-AUG-2004 (first entry)  
 DE  
 XX  
 XX Cell adhesion modulating agent-related cyclic peptide #986.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX  
 OS Unidentified.  
 XX  
 XX WO2004048411-A2.  
 PN  
 XX  
 PD 10-JUN-2004.  
 XX  
 XX 14-NOV-2003; 2003WO-IB006208.  
 PF  
 XX 14-NOV-2002; 2002US-0426551P.  
 PR  
 XX 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 XX Blaschuk OW, Michaud SD;  
 XX  
 DR WPI; 2004-450349/42.  
 XX  
 XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PT Disclosure; SEQ ID NO 1202; 507pp; English.  
 XX  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, for enhancing/adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).

CC The present amino acid sequence represents a cyclic peptide of the invention.  
 CC  
 XX  
 SQ Sequence 9 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6

RESULT 41  
 ADP06844  
 ID ADP06844 standard; peptide; 9 AA.  
 XX  
 AC ADP06844;  
 XX  
 DT 26-AUG-2004 (first entry)  
 DE  
 XX  
 XX Cell adhesion modulating agent-related cyclic peptide #805.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX  
 OS Unidentified.  
 XX  
 XX WO2004048411-A2.  
 PN  
 XX  
 PD 10-JUN-2004.  
 XX  
 XX 14-NOV-2003; 2003WO-IB006208.  
 PF  
 XX 14-NOV-2002; 2002US-0426551P.  
 PR  
 XX 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 XX Blaschuk OW, Michaud SD;  
 XX  
 DR WPI; 2004-450349/42.  
 XX  
 XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PT Disclosure; SEQ ID NO 1021; 507pp; English.  
 XX  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, for enhancing/adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating

CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.

XX  
 SQ Sequence 9 AA;

Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. NO. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

## RESULT 42

ADP06851  
 ID ADP06851 standard; peptide; 9 AA.

XX AC ADP06851;

XX DT 26-AUG-2004 (first entry)

XX DE Cell adhesion modulating agent-related cyclic peptide #812.

XX KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX OS Unidentified.

XX PN WO2004048411-A2.

XX PD 10-JUN-2004.

XX PF 14-NOV-2003; 2003WO-IB006208.

XX PR 14-NOV-2002; 2002US-0426551P.

XX PR 14-NOV-2002; 2002US-0426689P.

XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX PI Blaschuk OW, Michaud SD;

XX PI WPI; 2004-450349/42.

XX PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.

XX PS Disclosure; SEQ ID NO 1028; 507pp; English.

XX CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite

CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.

XX SQ Sequence 9 AA;

Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. NO. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6

## RESULT 43

ADP06909  
 ID ADP06909 standard; peptide; 9 AA.

XX AC ADP06909;

XX DT 26-AUG-2004 (first entry)

XX DE Cell adhesion modulating agent-related cyclic peptide #870.

XX KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX OS Unidentified.

XX PN WO2004048411-A2.

XX PD 10-JUN-2004.

XX PF 14-NOV-2003; 2003WO-IB006208.

XX PR 14-NOV-2002; 2002US-0426551P.

XX PR 14-NOV-2002; 2002US-0426689P.

XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX PI Blaschuk OW, Michaud SD;

XX PI WPI; 2004-450349/42.

XX PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.

XX PS Disclosure; SEQ ID NO 1086; 507pp; English.

XX CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal,

CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX  
 SQ Sequence 9 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 |  
 |  
 |  
 |  
 |  
 Db 2 WAPIP 6  
 |  
 |  
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 |  
 RESULT 44  
 ADP06914  
 ID ADP06914 standard; peptide; 9 AA.  
 XX  
 AC ADP06914;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #875.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX  
 OS Unidentified.  
 XX  
 PN WO2004048411-A2.  
 XX  
 PD 10-JUN-2004.  
 XX  
 PF 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 PI Blaschuk OW, Michaud SD;  
 XX  
 DR WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.  
 XX  
 PS Disclosure; SEQ ID NO 1091; 507pp; English.  
 XX  
 CC The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel

CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularisation in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX  
 SQ Sequence 9 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
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 |  
 |  
 |  
 |  
 Db 2 WAPIP 6  
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 |  
 RESULT 45  
 ADP06967  
 ID ADP06967 standard; peptide; 9 AA.  
 XX  
 AC ADP06967;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #928.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX  
 OS Unidentified.  
 XX  
 PN WO2004048411-A2.  
 XX  
 PD 10-JUN-2004.  
 XX  
 PF 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 PI Blaschuk OW, Michaud SD;  
 XX  
 DR WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.  
 XX  
 PS Disclosure; SEQ ID NO 1144; 507pp; English.  
 XX  
 CC The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing

CC pregnancy in a mammal, increasing vasopermeability in a mammal.  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularisation in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX  
 SQ Sequence 9 AA;

Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6

## RESULT 46

ADP07076  
 ID ADP07076 standard; peptide; 9 AA.

XX  
 AC ADP07076;

DT 26-AUG-2004 (first entry)

XX  
 DE Cell adhesion modulating agent-related cyclic peptide #1037.

XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX Unidentified.

XX WO2004048411-A2.

XX 10-JUN-2004.

XX 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

XX 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

XX Disclosure; SEQ ID NO 1253; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting

CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularisation in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX  
 SQ Sequence 9 AA;

Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

## RESULT 47

ADP06902

ID ADP06902 standard; peptide; 9 AA.

XX  
 AC ADP06902;

DT 26-AUG-2004 (first entry)

XX Cell adhesion modulating agent-related cyclic peptide #863.

XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX Unidentified.

XX WO2004048411-A2.

XX 10-JUN-2004.

XX 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

XX 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

XX Disclosure; SEQ ID NO 1079; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence

CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularisation in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.

XX Sequence 9 AA;

SQ Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. NO. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

RESULT 48

ADP06856  
 ID ADP06856 standard; peptide; 9 AA.

XX AC ADP06856;

XX DT 26-AUG-2004 (first entry)

XX DE Cell adhesion modulating agent-related cyclic peptide #817.

XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX Unidentified.

XX WO2004048411-A2.

XX PN 10-JUN-2004.

XX PF 14-NOV-2003; 2003WO-IB006208.

XX PR 14-NOV-2002; 2002US-0426551P.

XX PR 14-NOV-2002; 2002US-0426689P.

XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX PI Blaschuk OW, Michaud SD;

XX PI WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

XX Disclosure; SEQ ID NO 1033; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates

CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularisation in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.

SQ Sequence 9 AA;

Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. NO. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6

RESULT 49

ADP07030  
 ID ADP07030 standard; peptide; 9 AA.

XX AC ADP07030;

XX DT 26-AUG-2004 (first entry)

XX DE Cell adhesion modulating agent-related cyclic peptide #991.

XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX Unidentified.

XX WO2004048411-A2.

XX PN 10-JUN-2004.

XX PF 14-NOV-2003; 2003WO-IB006208.

XX PR 14-NOV-2002; 2002US-0426551P.

XX PR 14-NOV-2002; 2002US-0426689P.

XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX PI Blaschuk OW, Michaud SD;

XX PI WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

XX Disclosure; SEQ ID NO 1207; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularity in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX  
 XX  
 SQ Sequence 9 AA;

Query Match 100.0%; Score 33; DB 8; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 2.1e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6

RESULT 50  
 AAW13011  
 ID AAW13011 standard; peptide; 10 AA.

XX AC AAW13011;  
 XX  
 XX 21-NOV-1997 (first entry)  
 XX  
 DE Peptide derived from desmosomal cadherin, desmocollin Dsc2.

XX Desmosomal cadherin; desmocollin; Dsc2; cell; surface; epithelial;  
 KW carcinoma; desmosome; antibody; epitope; diagnosis; detection;  
 KW micrometastasis; separation; enrichment; targeted delivery; metastatic.

XX Homo sapiens.  
 XX DE19531033-A1.  
 XX

PD 27-FEB-1997.  
 XX  
 PF 23-AUG-1995; 95DE-01031033.  
 XX

PR 23-AUG-1995; 95DE-01031033.  
 XX  
 PA (PROG-) PROGEN BIOTECHNIK GMBH.

XX Franke WW, Schaefer S;  
 XX WPI; 1997-146518/14.  
 XX

PT Antibody reactive with part of desmosomal cadherin - exposed on surface  
 of epithelial or carcinoma cells, not bound to desmosomes, useful for  
 PT diagnosis and treatment of carcinoma micrometastases.  
 PT

PS Claim 11; Page 5; 8pp; German.

XX A region of the desmosomal cadherin (DC), desmocollin Dsc2, which is  
 CC exposed on the surface of epithelial or carcinoma cells and not bound to  
 CC desmosomes, is defined as starting with the peptide AAW13011 and ending  
 CC with the peptide AAW13012. An antibody (Ab) directed against epitopes of  
 CC the above Dsc2 region can be used to diagnose, i.e. to detect carcinoma

CC cells, especially micrometastases, not bound to desmosomes, to separate,  
 CC enrich or detect living or fixed carcinoma cells by cell sorting methods  
 CC and as a therapeutic to deliver agents, e.g. other Ab or toxins, to  
 CC target cells. The Ab provides rapid and reliable detection of metastatic  
 CC carcinoma, and detects parts of DC that are not accessible in desmosome  
 CC bound cells, as in normal tissue or carcinomas  
 XX  
 SQ Sequence 10 AA;

Query Match 100.0%; Score 33; DB 2; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6

RESULT 51  
 ADP06912  
 ID ADP06912 standard; peptide; 10 AA.

XX ADP06912;  
 XX  
 XX 26-AUG-2004 (first entry)  
 XX

DE Cell adhesion modulating agent-related cyclic peptide #873.

XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX Unidentified.  
 XX WO2004048411-A2.  
 XX

PD 10-JUN-2004.

PF 14-NOV-2003; 2003WO-IB006208.

PR 14-NOV-2002; 2002US-0426551P.

PR 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

CC Cell adhesion modulating agent that modulates desmosomal cadherin-  
 mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

XX Disclosure, SEQ ID NO 1089; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularity in a mammal, inhibiting endometriosis in a mammal,



CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovasculation in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX  
 SQ Sequence 10 AA;

Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

RESULT 54  
 ADP06916  
 ID ADP06916 standard; peptide; 10 AA.

AC ADP06916;

DT 26-AUG-2004 (first entry)

XX Cell adhesion modulating agent-related cyclic peptide #877.

XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX Unidentified.

XX WO2004048411-A2.

XX 10-JUN-2004.

XX 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

XX 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

XX Disclosure; SEQ ID NO 1093; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting

CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC neovasculation in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX  
 SQ Sequence 10 AA;

Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6

RESULT 55

ADP06968  
 ID ADP06968 standard; peptide; 10 AA.

AC ADP06968;

XX 26-AUG-2004 (first entry)

XX Cell adhesion modulating agent-related cyclic peptide #929.

XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX Unidentified.

XX WO2004048411-A2.

XX 10-JUN-2004.

XX 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

XX 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

XX Disclosure; SEQ ID NO 1145; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting

**CC** The invention comprises a cell adhesion modulating agent that modulates

PS Disclosure; SEQ ID NO 1090; 507pp; English.

PS Disclosure; SEQ ID NO 1090; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a trip-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovasculature in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX Sequence 10 AA;  
 SQ

Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 Db 3 WAPIP 7  
 |||||

RESULT 58  
 ADP07077  
 ID ADP07077 standard; peptide; 10 AA.  
 XX  
 AC ADP07077;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #1038.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW trip-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX  
 OS Unidentified.  
 XX  
 PN WO2004048411-A2.  
 XX  
 PD 10-JUN-2004.  
 XX  
 PF 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 PI Blaschuk OW, Michaud SD;  
 XX  
 DR WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises trip-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

XX Disclosure; SEQ ID NO 1254; 507pp; English.  
 PS  
 XX The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a trip-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovasculature in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX Sequence 10 AA;  
 SQ

Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 Db 3 WAPIP 7  
 |||||

RESULT 59  
 ADP07084  
 ID ADP07084 standard; peptide; 10 AA.  
 XX  
 AC ADP07084;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #1045.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW trip-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX  
 OS Unidentified.  
 XX  
 PN WO2004048411-A2.  
 XX  
 PD 10-JUN-2004.  
 XX  
 PF 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 PI Blaschuk OW, Michaud SD;  
 XX  
 DR WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,

PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

XX Disclosure; SEQ ID NO 1261; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularity in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, for enhancing/adhering neurite  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.

XX Sequence 10 AA;

Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5

DB 2 WAPIP 6

RESULT 60

ADP06858

ID ADP06858 standard; peptide; 10 AA.

AC ADP06858;

DT 26-AUG-2004 (first entry)

XX Cell adhesion modulating agent-related cyclic peptide #819.

XX cell adhesion modulating agent;

KW desmosomal cadherin-mediated cell adhesion;

KW Trp-containing cell adhesion recognition sequence; CAR sequence;

KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;

KW demyelinating neurological disorder; immune system modulation;

KW pregnancy prevention; vasopermeability; synaptic stability;

KW blood vessel regression; neurite outgrowth; spinal cord injury;

KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;

KW dermatitis; cyclic.

XX Unidentified.

XX WO2004048411-A2.

XX 10-JUN-2004.

XX 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

XX 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

PT Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

XX Disclosure; SEQ ID NO 1035; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularity in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing/adhering neurite  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.

XX Sequence 10 AA;

Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5

DB 2 WAPIP 6

RESULT 61

ADP06970

ID ADP06970 standard; peptide; 10 AA.

AC ADP06970;

DT 26-AUG-2004 (first entry)

XX Cell adhesion modulating agent-related cyclic peptide #931.

XX cell adhesion modulating agent;

KW desmosomal cadherin-mediated cell adhesion;

KW Trp-containing cell adhesion recognition sequence; CAR sequence;

KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;

KW demyelinating neurological disorder; immune system modulation;

KW pregnancy prevention; vasopermeability; synaptic stability;

KW blood vessel regression; neurite outgrowth; spinal cord injury;

KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;

KW dermatitis; cyclic.

XX Unidentified.

XX WO2004048411-A2.

XX 10-JUN-2004.

XX 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

XX 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

DR WPI; 2004-450349/42.  
 XX  
 XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PT  
 XX  
 XX Disclosure; SEQ ID NO 1147; 507pp; English.  
 XX  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, regressing, increasing blood flow to a tumour in a mammal, disrupting neovasculature in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.  
 XX Sequence 10 AA;  
 SQ  
 Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 Db |||||  
 2 WAPIP 6  
 RESULT 62  
 ADP07029  
 ID ADP07029 standard; peptide; 10 AA.  
 XX  
 AC ADP07029;  
 XX  
 XX 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #990.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy; dermatitis; cyclic.  
 XX  
 OS Unidentified.  
 XX  
 XX WO2004048411-A2.  
 PN  
 PD 10-JUN-2004.  
 XX  
 XX 14-NOV-2003; 2003WO-IB006208.  
 PF  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.

PI Blaschuk OW, Michaud SD;  
 XX  
 XX WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 XX  
 XX Disclosure; SEQ ID NO 1206; 507pp; English.  
 XX  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, regressing, increasing blood flow to a tumour in a mammal, disrupting neovasculature in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.  
 XX Sequence 10 AA;  
 SQ  
 Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 Db |||||  
 3 WAPIP 7  
 RESULT 63  
 ADP06852  
 ID ADP06852 standard; peptide; 10 AA.  
 XX  
 AC ADP06852;  
 XX  
 XX 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #813.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy; dermatitis; cyclic.  
 XX  
 OS Unidentified.  
 XX  
 XX WO2004048411-A2.  
 PN  
 PD 10-JUN-2004.  
 XX  
 XX 14-NOV-2003; 2003WO-IB006208.  
 PF  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 XX

PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX Blaschuk OW, Michaud SD;  
 PI WPI; 2004-450349/42.  
 XX  
 XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PT Disclosure; SEQ ID NO 1029; 507pp; English.  
 XX  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting regression, increasing blood flow to a tumour in a mammal, disrupting neovasculature in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.  
 XX  
 XX Sequence 10 AA;  
 SQ  
 Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 Db |||||  
 2 WAPIP 6  
 RESULT 64  
 ADP06903  
 ID ADP06903 standard; peptide; 10 AA.  
 XX  
 XX ADP06903;  
 XX  
 XX 26-AUG-2004 (first entry)  
 XX  
 XX Cell adhesion modulating agent-related cyclic peptide #864.  
 DE  
 XX  
 XX Cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy; dermatitis; cyclic.  
 KW  
 OS Unidentified.  
 XX  
 XX WO2004048411-A2.  
 PN  
 XX 10-JUN-2004.  
 PD  
 XX  
 XX 14-NOV-2003; 2003WO-IB006208.  
 PF  
 XX  
 XX 14-NOV-2002; 2002US-0426551P.  
 PR

PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 XX Blaschuk OW, Michaud SD;  
 XX WPI; 2004-450349/42.  
 DR  
 XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PT Disclosure; SEQ ID NO 1080; 507pp; English.  
 XX  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting regression, increasing blood flow to a tumour in a mammal, disrupting neovasculature in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.  
 XX  
 XX Sequence 10 AA;  
 SQ  
 Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 Db |||||  
 3 WAPIP 7  
 RESULT 65  
 ADP07090  
 ID ADP07090 standard; peptide; 10 AA.  
 XX  
 XX ADP07090;  
 XX  
 XX 26-AUG-2004 (first entry)  
 XX  
 XX Cell adhesion modulating agent-related cyclic peptide #1051.  
 DE  
 XX  
 XX Cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy; dermatitis; cyclic.  
 KW  
 OS Unidentified.  
 XX  
 XX WO2004048411-A2.  
 PN  
 XX 10-JUN-2004.  
 PD  
 XX  
 XX 14-NOV-2003; 2003WO-IB006208.  
 PF  
 XX  
 XX 14-NOV-2002; 2002US-0426551P.  
 PR

XX 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 PI Blaschuk OW, Michaud SD;  
 XX WPI; 2004-450349/42.  
 DR  
 XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PT  
 XX Disclosure; SEQ ID NO 1267; 507pp; English.  
 PS  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.  
 CC  
 XX Sequence 10 AA;  
 SQ  
 Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6  
 RESULT 66  
 ADP06974  
 ID ADP06974 standard; peptide; 10 AA.  
 XX  
 AC ADP06974;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #935.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy; dermatitis; cyclic.  
 KW  
 XX Unidentified.  
 OS  
 XX WO2004048411-A2.  
 PN  
 XX 10-JUN-2004.  
 PD

XX 14-NOV-2003; 2003WO-1B006208.  
 PF  
 XX 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 PR  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.  
 PA  
 XX Blaschuk OW, Michaud SD;  
 FI WPI; 2004-450349/42.  
 XX  
 DR Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PT  
 XX Disclosure; SEQ ID NO 1151; 507pp; English.  
 PS  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.  
 CC  
 XX Sequence 10 AA;  
 SQ  
 Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6  
 RESULT 67  
 ADP07164  
 ID ADP07164 standard; peptide; 10 AA.  
 XX  
 AC ADP07164;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclisation peptide #20.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy; dermatitis; cyclisation peptide.  
 KW  
 XX Unidentified.  
 OS  
 XX WO2004048411-A2.  
 PN

XX PD 10-JUN-2004.  
 XX PF 14-NOV-2003; 2003WO-1B006208.  
 XX PR 14-NOV-2002; 2002US-0426551P.  
 XX PR 14-NOV-2002; 2002US-0426689P.  
 XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX PI Blaschuk OW, Michaud SD;  
 XX DR WPI; 2004-450349/42.  
 XX PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 XX PS Disclosure; SEQ ID NO 1341; 507pp; English.  
 XX CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculature in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclisation peptide of the invention.  
 XX SQ Sequence 10 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7  
 |||||  
 RESULT 68  
 ADP07166  
 ID ADP07166 standard; peptide; 10 AA.  
 AC ADP07166;  
 XX ADP07166;  
 XX 26-AUG-2004 (first entry)  
 DE Cell adhesion modulating agent-related cyclisation peptide #22.  
 XX Cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy; dermatitis; cyclisation peptide.  
 XX Unidentified.

XX PN WO2004048411-A2.  
 XX PD 10-JUN-2004.  
 XX PF 14-NOV-2003; 2003WO-1B006208.  
 XX PR 14-NOV-2002; 2002US-0426551P.  
 XX PR 14-NOV-2002; 2002US-0426689P.  
 XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX PI Blaschuk OW, Michaud SD;  
 XX DR WPI; 2004-450349/42.  
 XX PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 XX PS Disclosure; SEQ ID NO 1343; 507pp; English.  
 XX CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculature in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclisation peptide of the invention.  
 XX SQ Sequence 10 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 |||||  
 Db 4 WAPIP 8  
 |||||  
 RESULT 69  
 ADP06845  
 ID ADP06845 standard; peptide; 10 AA.  
 AC ADP06845;  
 XX ADP06845;  
 XX 26-AUG-2004 (first entry)  
 DE Cell adhesion modulating agent-related cyclic peptide #806.  
 XX Cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy; dermatitis; cyclic.

XX OS Unidentified.  
 XX PN WO2004048411-A2.  
 XX PD 10-JUN-2004.  
 XX PF 14-NOV-2003; 2003WO-IB006208.  
 XX PR 14-NOV-2002; 2002US-0426551P.  
 XX PR 14-NOV-2002; 2002US-0426689P.  
 XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX PI Blaschuk OW, Michaud SD;  
 XX DR WPI; 2004-450349/42.  
 XX PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 XX PS Disclosure; SEQ ID NO 1022; 507pp; English.  
 XX CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, preventing neovasculation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.

Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. NO. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

RESULT 70  
 ADP07086  
 ID ADP07086 standard; peptide; 10 AA.  
 XX AC ADP07086;  
 XX DT 26-AUG-2004 (first entry)  
 XX DE Cell adhesion modulating agent-related cyclic peptide #1047.  
 XX KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;

KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy; dermatitis; cyclic.  
 XX OS Unidentified.  
 XX PN WO2004048411-A2.  
 XX PD 10-JUN-2004.  
 XX PF 14-NOV-2003; 2003WO-IB006208.  
 XX PR 14-NOV-2002; 2002US-0426551P.  
 XX PR 14-NOV-2002; 2002US-0426689P.  
 XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX PI Blaschuk OW, Michaud SD;  
 XX DR WPI; 2004-450349/42.  
 XX PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 XX PS Disclosure; SEQ ID NO 1263; 507pp; English.  
 XX CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.

Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. NO. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6

RESULT 71  
 ADP06961  
 ID ADP06961 standard; peptide; 10 AA.  
 XX AC ADP06961;  
 XX DT 26-AUG-2004 (first entry)  
 XX DE Cell adhesion modulating agent-related cyclic peptide #922.  
 XX KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;



KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX Unidentified.  
 OS  
 XX  
 PN WO2004048411-A2.  
 XX  
 PD 10-JUN-2004.  
 XX  
 PF 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 PI Blaschuk OW, Michaud SD;  
 XX  
 DR WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 XX  
 PS Disclosure; SEQ ID NO 1203; 507pp; English.  
 XX  
 CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the invention.  
 XX  
 SQ Sequence 10 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 Db 2 WAPIP 6  
 |||||  
 |||||  
 RESULT 74  
 ADP07087  
 ID ADP07087 standard; peptide; 10 AA.  
 XX  
 AC ADP07087;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #1048.

XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX Unidentified.  
 OS  
 XX  
 PN WO2004048411-A2.  
 XX  
 PD 10-JUN-2004.  
 XX  
 PF 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 PI Blaschuk OW, Michaud SD;  
 XX  
 DR WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 XX  
 PS Disclosure; SEQ ID NO 1264; 507pp; English.  
 XX  
 CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the invention.  
 XX  
 SQ Sequence 10 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 Db 3 WAPIP 7  
 |||||  
 |||||  
 RESULT 75  
 ADP07019  
 ID ADP07019 standard; peptide; 10 AA.  
 XX  
 AC ADP07019;  
 XX  
 DT 26-AUG-2004 (first entry)

XX DE Cell adhesion modulating agent-related cyclic peptide #980.  
 XX DE cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX Unidentified.  
 OS WO2004048411-A2.  
 XX 10-JUN-2004.  
 XX 14-NOV-2003; 2003WO-IB006208.  
 PF 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.  
 PA Blaschuk OW, Michaud SD;  
 PI WPI; 2004-450349/42.  
 XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 XX Disclosure; SEQ ID NO 1196; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculature in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.

XX SQ Sequence 10 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. NO. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

RESULT 76  
 ADP07028  
 ID ADP07028 standard; peptide; 10 AA.  
 XX AC ADP07028;

XX 26-AUG-2004 (first entry)  
 DE Cell adhesion modulating agent-related cyclic peptide #989.  
 XX DE cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX Unidentified.  
 OS WO2004048411-A2.  
 XX 10-JUN-2004.  
 XX 14-NOV-2003; 2003WO-IB006208.  
 PF 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.  
 PA Blaschuk OW, Michaud SD;  
 PI WPI; 2004-450349/42.  
 XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 XX Disclosure; SEQ ID NO 1205; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculature in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.

XX SQ Sequence 10 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. NO. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 2 WAPIP 6

RESULT 77  
 ADP07032  
 ID ADP07032 standard; peptide; 10 AA.

XX ADP07032;  
 XX 26-AUG-2004 (first entry)  
 XX Cell adhesion modulating agent-related cyclic peptide #993.  
 DE  
 XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX Unidentified.  
 XX WO2004048411-A2.  
 XX 10-JUN-2004.  
 XX 14-NOV-2003; 2003WO-IB006208.  
 XX 14-NOV-2002; 2002US-0426551P.  
 XX 14-NOV-2002; 2002US-0426689P.  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX Blaschuk OW, Michaud SD;  
 XX WPI; 2004-450349/42.  
 XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 XX Disclosure; SEQ ID NO 1209; 507pp; English.  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.

XX Sequence 10 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 48;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 WAPIP 5  
 Db 2 WAPIP 6

RESULT 78

ADP07165  
 XX ADP07165 standard; peptide; 11 AA.  
 XX AC ADP07165;  
 XX 26-AUG-2004 (first entry)  
 XX Cell adhesion modulating agent-related cyclisation peptide #21.  
 DE  
 XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclisation peptide.  
 XX Unidentified.  
 XX WO2004048411-A2.  
 XX 10-JUN-2004.  
 XX 14-NOV-2003; 2003WO-IB006208.  
 XX 14-NOV-2002; 2002US-0426551P.  
 XX 14-NOV-2002; 2002US-0426689P.  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX Blaschuk OW, Michaud SD;  
 XX WPI; 2004-450349/42.  
 XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 XX Disclosure; SEQ ID NO 1342; 507pp; English.  
 XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclisation peptide of the invention.

XX Sequence 11 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 53;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 WAPIP 5  
 Db 3 WAPIP 7

RESULT 79  
 ADP07027  
 ID ADP07027 standard; peptide; 11 AA.  
 AC ADP07027;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #988.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX  
 OS Unidentified.  
 XX  
 PN WO2004048411-A2.  
 XX  
 PD 10-JUN-2004.  
 XX  
 PF 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 PI Blaschuk OW, Michaud SD;  
 DR WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 XX Disclosure; SEQ ID NO 1204; 507pp; English.  
 PS  
 CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.  
 CC  
 XX Sequence 11 AA;  
 SQ  
 Query Match 100.0%; Score 33; DB 8; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 53;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 WAPIP 5  
 |||||

Db 3 WAPIP 7  
 RESULT 80  
 ADP06969  
 ID ADP06969 standard; peptide; 11 AA.  
 XX  
 AC ADP06969;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #930.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX  
 OS Unidentified.  
 XX  
 PN WO2004048411-A2.  
 XX  
 PD 10-JUN-2004.  
 XX  
 PF 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 PI Blaschuk OW, Michaud SD;  
 DR WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 XX Disclosure; SEQ ID NO 1146; 507pp; English.  
 PS  
 CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.  
 CC  
 XX Sequence 11 AA;  
 SQ  
 Query Match 100.0%; Score 33; DB 8; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 53;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 DB 3 WAPIP 7

RESULT 81  
 ADP06904  
 ID ADP06904 standard; peptide; 11 AA.  
 XX  
 AC ADP06904;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #865.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trip-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX  
 OS Unidentified.  
 XX  
 PN WO2004048411-A2.  
 XX  
 PD 10-JUN-2004.  
 XX  
 PF 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 PI Blaschuk OW, Michaud SD;  
 XX  
 DR WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trip-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PS Disclosure; SEQ ID NO 1081; 507pp; English.  
 XX  
 CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trip-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculature in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.  
 CC  
 XX Sequence 11 AA;

Query Match 100.0%; Score 33; DB 8; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 53;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 DB 3 WAPIP 7

RESULT 82  
 ADP07089  
 ID ADP07089 standard; peptide; 11 AA.  
 XX  
 AC ADP07089;  
 XX  
 DT 26-AUG-2004 (first entry)  
 XX  
 DE Cell adhesion modulating agent-related cyclic peptide #1050.  
 XX  
 KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trip-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.  
 XX  
 OS Unidentified.  
 XX  
 PN WO2004048411-A2.  
 XX  
 PD 10-JUN-2004.  
 XX  
 PF 14-NOV-2003; 2003WO-IB006208.  
 XX  
 PR 14-NOV-2002; 2002US-0426551P.  
 PR 14-NOV-2002; 2002US-0426689P.  
 XX  
 PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX  
 PI Blaschuk OW, Michaud SD;  
 XX  
 DR WPI; 2004-450349/42.  
 XX  
 PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trip-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
 PT  
 PS Disclosure; SEQ ID NO 1266; 507pp; English.  
 XX  
 CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trip-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovasculature in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.  
 CC  
 XX Sequence 11 AA;

Query Match 100.0%; Score 33; DB 8; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 53;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

## RESULT 83

ADP06846

ID ADP06846 standard; peptide; 11 AA.

AC ADP06846;

XX 26-AUG-2004 (first entry)

XX Cell adhesion modulating agent-related cyclic peptide #807.

XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX Unidentified.

OS WO2004048411-A2.

XX 10-JUN-2004.

XX 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

XX 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.

XX Disclosure; SEQ ID NO 1023; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the invention.

SQ Sequence 11 AA;

Query Match 100.0%; Score 33; DB 8; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 53;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

## RESULT 84

ADP06853

ID ADP06853 standard; peptide; 11 AA.

XX AC ADP06853;

XX 26-AUG-2004 (first entry)

XX Cell adhesion modulating agent-related cyclic peptide #814.

XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX Unidentified.

XX WO2004048411-A2.

XX 10-JUN-2004.

XX 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

XX 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.

XX Disclosure; SEQ ID NO 1030; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). The present amino acid sequence represents a cyclic peptide of the

CC invention.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 33; DB 8; Length 11;  
Best Local Similarity 100.0%; Pred. No. 53;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 WAPIP 5  
Db 3 WAPIP 7  
RESULT 85  
ADP06915  
ID ADP06915 standard; peptide; 11 AA.  
XX  
AC ADP06915;  
XX  
DT 26-AUG-2004 (first entry)  
XX  
DE Cell adhesion modulating agent-related cyclic peptide #876.  
XX  
KW cell adhesion modulating agent;  
KW desmosomal cadherin-mediated cell adhesion;  
KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
KW demyelinating neurological disorder; immune system modulation;  
KW pregnancy prevention; vasopermeability; synaptic stability;  
KW blood vessel regression; neurite outgrowth; spinal cord injury;  
KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
KW dermatitis; cyclic.  
XX  
OS Unidentified.  
XX  
PN WO2004048411-A2.  
XX  
PD 10-JUN-2004.  
XX  
PF 14-NOV-2003; 2003WO-IB006208.  
XX  
PR 14-NOV-2002; 2002US-0426551P.  
PR 14-NOV-2002; 2002US-0426689P.  
XX  
PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
XX  
PI Blaschuk OW, Michaud SD;  
XX  
DR WPI; 2004-450349/42.  
XX  
PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
XX  
PS Disclosure; SEQ ID NO 1092; 507pp; English.  
XX  
CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The cell adhesion modulating agent of the invention is useful for treating disease conditions that are dependent on angiogenesis and

CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
CC The present amino acid sequence represents a cyclic peptide of the invention.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 33; DB 8; Length 11;  
Best Local Similarity 100.0%; Pred. No. 53;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 WAPIP 5  
Db 3 WAPIP 7  
RESULT 86  
ADP07078  
ID ADP07078 standard; peptide; 11 AA.  
XX  
AC ADP07078;  
XX  
DT 26-AUG-2004 (first entry)  
XX  
DE Cell adhesion modulating agent-related cyclic peptide #1039.  
XX  
KW cell adhesion modulating agent;  
KW desmosomal cadherin-mediated cell adhesion;  
KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
KW demyelinating neurological disorder; immune system modulation;  
KW pregnancy prevention; vasopermeability; synaptic stability;  
KW blood vessel regression; neurite outgrowth; spinal cord injury;  
KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
KW dermatitis; cyclic.  
XX  
OS Unidentified.  
XX  
PN WO2004048411-A2.  
XX  
PD 10-JUN-2004.  
XX  
PF 14-NOV-2003; 2003WO-IB006208.  
XX  
PR 14-NOV-2002; 2002US-0426551P.  
PR 14-NOV-2002; 2002US-0426689P.  
XX  
PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
XX  
PI Blaschuk OW, Michaud SD;  
XX  
DR WPI; 2004-450349/42.  
XX  
PT Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.  
XX  
PS Disclosure; SEQ ID NO 1255; 507pp; English.  
XX  
CC The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The

CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.

XX  
 SQ Sequence 11 AA;

Query Match 100.0%; Score 33; DB 8; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 53;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

## RESULT 87

ADP06973  
 ID ADP06973 standard; peptide; 11 AA.

XX AC ADP06973;

XX DT 26-AUG-2004 (first entry)

XX DE Cell adhesion modulating agent-related cyclic peptide #934.

XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX Unidentified.

XX WO2004048411-A2.

XX 10-JUN-2004.

XX PF 14-NOV-2003; 2003WO-IB006208.

XX PR 14-NOV-2002; 2002US-0426551P.

XX PR 14-NOV-2002; 2002US-0426689P.

XX PA (ADHS-) ADHEREX TECHNOLOGIES INC.

XX PI Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.

XX Disclosure; SEQ ID NO 1150; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting neovascularisation in a mammal, inhibiting endometriosis in a mammal, enhancing inhaled compound delivery in a mammal, enhancing adhesion of a

CC foreign tissue implanted within a mammal, for enhancing/directing neurite outgrowth, and for ameliorating a spinal cord injury in a mammal. The CC cell adhesion modulating agent of the invention is useful for treating CC disease conditions that are dependent on angiogenesis and CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis). CC The present amino acid sequence represents a cyclic peptide of the CC invention.

SQ Sequence 11 AA;

Query Match 100.0%; Score 33; DB 8; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 53;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

## RESULT 88

ADP06857

ID ADP06857 standard; peptide; 11 AA.

XX AC ADP06857;

XX DT 26-AUG-2004 (first entry)

XX DE Cell adhesion modulating agent-related cyclic peptide #818.

XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX Unidentified.

XX WO2004048411-A2.

XX 10-JUN-2004.

XX PF 14-NOV-2003; 2003WO-IB006208.

XX PR 14-NOV-2002; 2002US-0426551P.

XX PR 14-NOV-2002; 2002US-0426689P.

XX PA (ADHS-) ADHEREX TECHNOLOGIES INC.

XX PI Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion, useful for inhibiting cancer metastasis, comprises Trp-containing cell adhesion recognition sequence of desmosomal cadherin molecule.

XX Disclosure; SEQ ID NO 1034; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating agent comprises a Trp-containing cell adhesion recognition (CAR) sequence of a desmosomal cadherin molecule. The cell adhesion modulating agent of the invention is useful for: inhibiting cancer metastasis, inhibiting angiogenesis in a mammal, ameliorating a demyelinating neurological disorder in a mammal, modulating immune system of a mammal, preventing pregnancy in a mammal, increasing vasopermeability in a mammal, inhibiting synaptic stability in a mammal, stimulating blood vessel regression, increasing blood flow to a tumour in a mammal, disrupting

CC neovascularity in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularization (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX  
 SQ Sequence 11 AA;

Query Match 100.0%; Score 33; DB 8; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 53;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

RESULT 89  
 ADP07031  
 ID ADP07031 standard; peptide; 11 AA.

XX AC ADP07031;

XX DT 26-AUG-2004 (first entry)

XX DE Cell adhesion modulating agent-related cyclic peptide #992.

XX KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX OS Unidentified.

XX PN W02004048411-A2.

XX PD 10-JUN-2004.

XX PF 14-NOV-2003; 2003WO-IB006208.

XX PR 14-NOV-2002; 2002US-0426551P.

XX PR 14-NOV-2002; 2002US-0426689P.

XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX PI Blaschuk OW, Michaud SD;

XX DR WPI; 2004-450349/42.

XX PT Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

XX PS Disclosure; SEQ ID NO 1208; 507pp; English.

XX CC The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal.

CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularity in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularization (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX  
 SQ Sequence 11 AA;

Query Match 100.0%; Score 33; DB 8; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 53;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

RESULT 90

ADP06911

ID ADP06911 standard; peptide; 11 AA.

XX AC ADP06911;

XX DT 26-AUG-2004 (first entry)

XX DE Cell adhesion modulating agent-related cyclic peptide #872.

XX KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX OS Unidentified.

XX PN W02004048411-A2.

XX PD 10-JUN-2004.

XX PF 14-NOV-2003; 2003WO-IB006208.

XX PR 14-NOV-2002; 2002US-0426551P.

XX PR 14-NOV-2002; 2002US-0426689P.

XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.

XX PI Blaschuk OW, Michaud SD;

XX DR WPI; 2004-450349/42.

XX PT Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

XX PS Disclosure; SEQ ID NO 1088; 507pp; English.

XX CC The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological

CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularisation in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.

XX SQ Sequence 11 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 53;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 Db 3 WAPIP 7  
 |||||

RESULT 91  
 ADP06962  
 ID ADP06962 standard; peptide; 11 AA.

XX AC ADP06962;  
 XX DT 26-AUG-2004 (first entry)

XX DE Cell adhesion modulating agent-related cyclic peptide #923.

XX KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX OS Unidentified.  
 XX PN WO2004048411-A2.  
 XX PD 10-JUN-2004.

XX PF 14-NOV-2003; 2003WO-IB006208.  
 XX PR 14-NOV-2002; 2002US-0426551P.  
 XX PR 14-NOV-2002; 2002US-0426689P.

XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX PI Blaschuk OW, Michaud SD;  
 XX DR WPI; 2004-450349/42.

XX PT Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

XX PS Disclosure; SEQ ID NO 1139; 507pp; English.  
 XX The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of

CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularisation in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.

XX SQ Sequence 11 AA;  
 Query Match 100.0%; Score 33; DB 8; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 53;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 Db 3 WAPIP 7  
 |||||

RESULT 92  
 ADP07085  
 ID ADP07085 standard; peptide; 11 AA.

XX AC ADP07085;  
 XX DT 26-AUG-2004 (first entry)

XX DE Cell adhesion modulating agent-related cyclic peptide #1046.

XX KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX OS Unidentified.  
 XX PN WO2004048411-A2.  
 XX PD 10-JUN-2004.

XX PF 14-NOV-2003; 2003WO-IB006208.  
 XX PR 14-NOV-2002; 2002US-0426551P.  
 XX PR 14-NOV-2002; 2002US-0426689P.

XX PA (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX PI Blaschuk OW, Michaud SD;  
 XX DR WPI; 2004-450349/42.

XX PT Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

XX PS Disclosure; SEQ ID NO 1262; 507pp; English.  
 XX The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of

CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularisation in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX  
 SQ Sequence 11 AA;

Query Match 100.0%; Score 33; DB 8; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 53;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 DB 3 WAPIP 7

RESULT 93  
 ADP07020  
 ID ADP07020 standard; peptide; 11 AA.  
 XX  
 AC ADP07020;  
 DT 26-AUG-2004 (first entry)  
 DE Cell adhesion modulating agent-related cyclic peptide #981.  
 XX

KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclic.

XX Unidentified.  
 XX WO2004048411-A2.  
 XX 10-JUN-2004.  
 XX 14-NOV-2003; 2003WO-IB006208.  
 XX 14-NOV-2002; 2002US-0426551P.  
 XX 14-NOV-2002; 2002US-0426689P.  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX Blaschuk OW, Michaud SD;  
 XX WPI; 2004-450349/42.  
 XX

XX Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.  
 XX Dislosure; SEQ ID NO 1197; 507pp; English.

CC The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularisation in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, for enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a cyclic peptide of the  
 CC invention.  
 XX

Query Match 100.0%; Score 33; DB 8; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 53;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 DB 3 WAPIP 7

RESULT 94  
 ADP07161  
 ID ADP07161 standard; peptide; 11 AA.  
 XX  
 AC ADP07161;  
 DT 26-AUG-2004 (first entry)  
 DE Cell adhesion modulating agent-related cyclisation peptide #17.

KW cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis; cyclisation peptide.

XX Unidentified.  
 XX WO2004048411-A2.  
 XX 10-JUN-2004.  
 XX 14-NOV-2003; 2003WO-IB006208.  
 XX 14-NOV-2002; 2002US-0426551P.  
 XX 14-NOV-2002; 2002US-0426689P.  
 XX (ADHE-) ADHEREX TECHNOLOGIES INC.  
 XX Blaschuk OW, Michaud SD;  
 XX WPI; 2004-450349/42.  
 XX

XX Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.

PS Disclosure; SEQ ID NO 1338; 507pp; English.

XX The invention comprises a cell adhesion modulating agent that modulates

CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating

CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence

CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of

CC the invention is useful for: inhibiting cancer metastasis, inhibiting

CC angiogenesis in a mammal, ameliorating a demyelinating neurological

CC disorder in a mammal, modulating immune system of a mammal, preventing

CC pregnancy in a mammal, increasing vasopermeability in a mammal,

CC inhibiting synaptic stability in a mammal, stimulating blood vessel

CC regression, increasing blood flow to a tumour in a mammal, disrupting

CC neovasculature in a mammal, inhibiting endometriosis in a mammal,

CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a

CC foreign tissue implanted within a mammal, for enhancing/directing neurite

CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The

CC cell adhesion modulating agent of the invention is useful for treating

CC disease conditions that are dependent on angiogenesis and

CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).

CC The present amino acid sequence represents a cyclisation peptide of the

CC invention.

XX

SQ Sequence 11 AA;

Query Match 100.0%; Score 33; DB 8; Length 11;

Best Local Similarity 100.0%; Pred. No. 53;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5

DB 3 WAPIP 7

RESULT 95

ADP07144

ID ADP07144 standard; peptide; 14 AA.

XX

AC ADP07144;

XX

XX 26-AUG-2004 (first entry)

DT

DE Trp-containing cell adhesion recognition (CAR) sequence #210.

XX

KW cell adhesion modulating agent;

KW desmosomal cadherin-mediated cell adhesion;

KW Trp-containing cell adhesion recognition sequence; CAR sequence;

KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;

KW demyelinating neurological disorder; immune system modulation;

KW pregnancy prevention; vasopermeability; synaptic stability;

KW blood vessel regression; neurite outgrowth; spinal cord injury;

KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;

KW dermatitis.

XX

OS Unidentified.

XX

PN WO2004048411-A2.

XX

PD 10-JUN-2004.

XX

XX 14-NOV-2003; 2003WO-IB006208.

PF

XX 14-NOV-2002; 2002US-0426551P.

PR

XX 14-NOV-2002; 2002US-0426689P.

PR

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

PA

XX Blaschuk OW, Michaud SD;

PI

XX WPI; 2004-450349/42.

DR

XX Cell adhesion modulating agent that modulates desmosomal cadherin-

PT mediated cell adhesion, useful for inhibiting cancer metastasis,

PT comprises Trp-containing cell adhesion recognition sequence of desmosomal

PT cadherin molecule.

XX

XX Disclosure; SEQ ID NO 1321; 507pp; English.

XX

CC The invention comprises a cell adhesion modulating agent that modulates

CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating

CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence

CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of

CC the invention is useful for: inhibiting cancer metastasis, inhibiting

CC angiogenesis in a mammal, ameliorating a demyelinating neurological

CC disorder in a mammal, modulating immune system of a mammal, preventing

CC pregnancy in a mammal, increasing vasopermeability in a mammal,

CC inhibiting synaptic stability in a mammal, stimulating blood vessel

CC regression, increasing blood flow to a tumour in a mammal, disrupting

CC neovasculature in a mammal, inhibiting endometriosis in a mammal,

CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a

CC foreign tissue implanted within a mammal, for enhancing/directing neurite

CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The

CC cell adhesion modulating agent of the invention is useful for treating

CC disease conditions that are dependent on angiogenesis and

CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).

CC The present amino acid sequence represents a Trp-containing CAR sequence

CC of the invention.

XX

SQ Sequence 14 AA;

Query Match 100.0%; Score 33; DB 8; Length 14;

Best Local Similarity 100.0%; Pred. No. 66;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5

DB 9 WAPIP 13

RESULT 96

ADP07143

ID ADP07143 standard; peptide; 14 AA.

XX

AC ADP07143;

XX

XX 26-AUG-2004 (first entry)

DT

DE Trp-containing cell adhesion recognition (CAR) sequence #209.

XX

KW cell adhesion modulating agent;

KW desmosomal cadherin-mediated cell adhesion;

KW Trp-containing cell adhesion recognition sequence; CAR sequence;

KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;

KW demyelinating neurological disorder; immune system modulation;

KW pregnancy prevention; vasopermeability; synaptic stability;

KW blood vessel regression; neurite outgrowth; spinal cord injury;

KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;

KW dermatitis.

XX

OS Unidentified.

XX

PN WO2004048411-A2.

XX

PD 10-JUN-2004.

XX

XX 14-NOV-2003; 2003WO-IB006208.

PF

XX 14-NOV-2002; 2002US-0426551P.

PR

XX 14-NOV-2002; 2002US-0426689P.

PR

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

PA

XX Blaschuk OW, Michaud SD;

PI

XX WPI; 2004-450349/42.

DR

XX Cell adhesion modulating agent that modulates desmosomal cadherin-

PT mediated cell adhesion, useful for inhibiting cancer metastasis,

PT comprises Trp-containing cell adhesion recognition sequence of desmosomal

PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.  
 XX  
 PS Disclosure; SEQ ID NO 1320; 507pp; English.  
 XX  
 CC The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularity in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a Trp-containing CAR sequence  
 CC of the invention.  
 XX  
 SQ Sequence 14 AA;

Query Match 100.0%; Score 33; DB 8; Length 14;  
 Best Local Similarity 100.0%; Pred. No. 66;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

RESULT 97

ADP07140  
 ID ADP07140 standard; peptide; 14 AA.

AC ADP07140;

XX 26-AUG-2004 (first entry)

DE Trp-containing cell adhesion recognition (CAR) sequence #206.

XX cell adhesion modulating agent;  
 KW desmosomal cadherin-mediated cell adhesion;  
 KW Trp-containing cell adhesion recognition sequence; CAR sequence;  
 KW desmosomal cadherin molecule; cancer metastasis; angiogenesis;  
 KW demyelinating neurological disorder; immune system modulation;  
 KW pregnancy prevention; vasopermeability; synaptic stability;  
 KW blood vessel regression; neurite outgrowth; spinal cord injury;  
 KW angiogenesis; neovascularisation; psoriasis; diabetic retinopathy;  
 KW dermatitis.

XX Unidentified.

XX WO2004048411-A2.

XX 10-JUN-2004.

XX 14-NOV-2003; 2003WO-IB006208.

XX 14-NOV-2002; 2002US-0426551P.

XX 14-NOV-2002; 2002US-0426689P.

XX (ADHE-) ADHEREX TECHNOLOGIES INC.

XX Blaschuk OW, Michaud SD;

XX WPI; 2004-450349/42.

XX Cell adhesion modulating agent that modulates desmosomal cadherin-  
 PT mediated cell adhesion, useful for inhibiting cancer metastasis,  
 PT comprises Trp-containing cell adhesion recognition sequence of desmosomal  
 PT cadherin molecule.  
 XX  
 PS Disclosure; SEQ ID NO 1317; 507pp; English.  
 XX  
 CC The invention comprises a cell adhesion modulating agent that modulates  
 CC desmosomal cadherin-mediated cell adhesion. The cell adhesion modulating  
 CC agent comprises a Trp-containing cell adhesion recognition (CAR) sequence  
 CC of a desmosomal cadherin molecule. The cell adhesion modulating agent of  
 CC the invention is useful for: inhibiting cancer metastasis, inhibiting  
 CC angiogenesis in a mammal, ameliorating a demyelinating neurological  
 CC disorder in a mammal, modulating immune system of a mammal, preventing  
 CC pregnancy in a mammal, increasing vasopermeability in a mammal,  
 CC inhibiting synaptic stability in a mammal, stimulating blood vessel  
 CC regression, increasing blood flow to a tumour in a mammal, disrupting  
 CC neovascularity in a mammal, inhibiting endometriosis in a mammal,  
 CC enhancing inhaled compound delivery in a mammal, enhancing adhesion of a  
 CC foreign tissue implanted within a mammal, for enhancing/directing neurite  
 CC outgrowth, and for ameliorating a spinal cord injury in a mammal. The  
 CC cell adhesion modulating agent of the invention is useful for treating  
 CC disease conditions that are dependent on angiogenesis and  
 CC neovascularisation (e.g. psoriasis, diabetic retinopathy or dermatitis).  
 CC The present amino acid sequence represents a Trp-containing CAR sequence  
 CC of the invention.  
 XX  
 SQ Sequence 14 AA;

Query Match 100.0%; Score 33; DB 8; Length 14;  
 Best Local Similarity 100.0%; Pred. No. 66;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 WAPIP 5  
 |||||  
 Db 3 WAPIP 7

RESULT 98

AAR63546  
 ID AAR63546 standard; peptide; 19 AA.

XX AAR63546;

XX 25-MAR-2003 (revised)

DT 07-JUN-1995 (first entry)

XX HT-LCF V8 protease peptide fragment.

XX rHT-LCF; HT-1376 cell derived leukocyte chemotactic factor;  
 KW immunopotentiator; monocyte and macrophage migration factor;  
 KW wound healing.

XX Homo sapiens.

XX WO9421809-A1.

XX 29-SEP-1994.

XX 11-MAR-1994; 94WO-JP000397.

XX 15-MAR-1993; 93JP-00054349.

XX (CYTO-) INST CYTOSIGNAL RES INC.

XX Kawamura K, Watanabe K;

XX WPI; 1994-317029/39.

XX Monocyte and macrophage migration factor protein - is immuno-potentiator  
 PT and vulnery and is isolated from culture of HT-1376 cell line by  
 PT recombinant methods.

```
XX
PS Example 16; Page 47; 68pp; Japanese.
XX
CC Proteins having monocyte and macrophage migration factor activity were
CC isolated from human HT-1376 cells (ATCC CRL-1472). The proteins are
CC useful as immunopotentiators for treatment of infections, immune
CC deficiency diseases and cancer. The proteins are also useful in wound
CC healing preparations and for treatment of skin diseases. AAR63541-R63546
CC are V8 protease digestion fragments from the C-terminal region of the HT-
CC LCF proteins. (Updated on 25-MAR-2003 to correct PN field.)
XX
SQ Sequence 19 AA;
Query Match 100.0%; Score 33; DB 2; Length 19;
Best Local Similarity 100.0%; Pred. NO. 86;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 WAPIP 5
Db 10 WAPIP 14
|||||
Search completed: May 17, 2006, 11:38:29
Job time : 192 secs
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